1

SEQUENCE LISTING

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Dillon, Davin C.
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<120> COMPOUNDS FOR IMMUNODIAGNOSIS OF
PROSTATE CANCER AND METHODS FOR THEIR USE

<130> 210121.428C6

<140> US 09/232,880
<141> 1999-01-15

<160> 338

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 814
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(814)
<223> n = A,T,C or G

<400> 1

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ctccttggct cacagccttc tctaggcttc ccagtgcctc caggacagag tgggttatgt     240
tttcagctcc atccttgctg tgagtgtctg gtgcgttgtg cctccagctt ctgctcagtg     300
cttcatggac agtgtccagc acatgtcact ctccactctc tcagtgtgga tccactagtt     360
ctagagcggc cgccaccgcg gtggagctcc agcttttgtt ccctttagtg agggttaatt     420
gcgcgcttgg cgtaatcatg gtcataactg tttcctgtgt gaaattgtta tccgctcaca     480
attccacaca acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg     540
anctaactca cattaattgc gttgcgctca ctgnccgctt tccagtcngg aaaactgtcg     600
tgccagctgc attaatgaat cggccaacgc ncggggaaaa gcggtttgcg ttttggggggc     660
tcttccgctt ctcgctcact nantcctgcg ctcggtcntt cggctgcggg gaacggtatc     720
actcctcaaa ggnggtatta cggttatccn naaatcnggg gatacccngg aaaaaanttt     780
aacaaaaggg cancaaaggg cngaaacgta aaaa                                  814
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<210> 2
<211> 816
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(816)
<223> n = A,T,C or G

<400> 2

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ttcatggctg ttggagcaat agaaccccag ttctacgagc tgctgatcaa aggacttgga    120
ctaaagtctg atgaacttcc caatcagatg agcatggatg attggccaga aatgaagaag    180
aagtttgcag atgtatttgc aaagaagacg aaggcagagt ggtgtcaaat ctttgacggc    240
acagatgcct gtgtgactcc ggttctgact tttgaggagg ttgttcatca tgatcacaac    300
aaggaacggg gctcgtttat caccagtgag gagcaggacg tgagcccccg ccctgcacct    360
ctgctgttaa acaccccagc catcccttct ttcaaaaggg atccactagt tctagaagcg    420
gccgccaccg cggtggagct ccagcttttg ttccctttag tgagggttaa ttgcgcgctt    480
ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccccc    540
aacatacgag ccggaacata aagtgttaag cctggggtgc ctaatgantg agctaactcn    600
cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaaactgtcg tgccactgcn    660
ttantgaatc ngccaccccc cgggaaaagg cggttgcntt ttgggcctct tccgctttcc    720
tcgctcattg atcctngcnc ccggtcttcg gctgcggnga acggttcact cctcaaaggc    780
ggtntccgg ttatccccaa acnggggata cccnga                               816
```

<210> 3
<211> 773
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 3

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tcctgctcct cactggtgat aaacgagccc cgttccttgt tgtgatcatg atgaacaacc    120
tcctcaaaag tcagaaccgg agtcacacag gcatctgtgc cgtcaaagat ttgacaccac    180
tctgccttcg tcttctttgc aaatacatct gcaaacttct tcttcatttc tggccaatca    240
tccatgctca tctgattggg aagttcatca gactttagtc canntccttt gatcagcagc    300
tcgtagaact ggggttctat tgctccaaca gccatgaatt ccccatctgc tgtcctgtaa    360
gtcgtataga aaggtgctcc accatccaac atgttctgtc ctcgagggg ggcccggtac    420
ccaattcgcc ctatantgag tcgtattacg cgcgctcact ggccgtcgtt ttacaacgtc    480
gtgactggga aaaccctggg cgttaccaac ttaatcgcct tgcagcacat ccccctttcg    540
ccagctgggc gtaatancga aaaggcccgc accgatcgcc cttccaacag ttgcgcacct    600
gaatgggnaa atgggacccc cctgttaccg cgcattnaac ccccgcnggg tttngttgtt    660
accccacnt nnaccgctta cactttgcca gcgccttanc gcccgctccc tttcnccttt    720
cttcccttcc tttcncnccn ctttcccccg gggtttcccc cntcaaaccc cna            773
```

<210> 4
<211> 828
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

<400> 4

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aatgggcaga cacaggtgta tgccaatgtt tctgaaatgg gtataatttc gtcctctcct    120
tcggaacact ggctgtctct gaagacttct cgctcagttt cagtgaggac acacacaaag    180
```

```
acgtgggtga ccatgttgtt tgtggggtgc agagatggga ggggtggggc ccaccctgga        240
agagtggaca gtgacacaag gtggacactc tctacagatc actgaggata agctggagcc        300
acaatgcatg aggcacacac acagcaagga tgacnctgta aacatagccc acgctgtcct        360
gngggcactg ggaagcctan atnaggccgt gagcanaaag aaggggagga tccactagtt        420
ctanagcggc cgccaccgcg gtggganctcc ancttttgtt ccctttagtg agggttaatt        480
gcgcgcttgg cntaatcatg gtcatanctn tttcctgtgt gaaattgtta ccgctcaca         540
attccacaca acatacganc cggaaacata aantgtaaac ctggggtgcc taatgantga        600
ctaactcaca ttaattgcgt tgcgctcact gcccgctttc caatcnggaa acctgtcttg        660
ccncttgcat tnatgaatcn gccaacccc ggggaaaagc gtttgcgttt tgggcgctct         720
tccgcttcct cnctcantta ntccctncnc tcggtcattc cggctgcngc aaaccggttc        780
accncctcca aaggggtat tccggtttcc ccnaatccgg gganancc                      828
```

        <210> 5
        <211> 834
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(834)
        <223> n = A,T,C or G

        <400> 5
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agttttaatt gcatccaaag tactaacaaa aactctagca atcaagaatg gcagcatgtt         120
attttataac aatcaacacc tgtggctttt aaaattggt tttcataaga taatttatac         180
tgaagtaaat ctagccatgc ttttaaaaaa tgctttaggt cactccaagc ttggcagtta        240
acattggca taaacaataa taaaacaatc acaatttaat aaataacaaa tacaacattg         300
taggccataa tcatatacag tataaggaaa aggtggtagt gttgagtaag cagttattag        360
aatagaatac cttggcctct atgcaaatat gtctagacac tttgattcac tcagccctga        420
cattcagttt tcaaagtagg agacaggttc tacagtatca ttttacagtt tccaacacat        480
tgaaaacaag tagaaaatga tgagttgatt tttattaatg cattacatcc tcaagagtta        540
tcaccaaccc ctcagttata aaaaattttc aagttatatt agtcatataa cttggtgtgc        600
ttattttaaa ttagtgctaa atggattaag tgaagacaac aatggtcccc taatgtgatt        660
gatattggtc attttacca gcttctaaat ctnaacttc aggctttga actggaacat          720
tgnatnacag tgttccanag ttncaaccta ctggaacatt acagtgtgct tgattcaaaa        780
tgttattttg ttaaaaatta aattttaacc tggtggaaaa ataatttgaa atna             834
```

        <210> 6
        <211> 818
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(818)
        <223> n = A,T,C or G

        <400> 6
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aaccacatct acaaaatgcc agtatcaggc ggcggcttcg aagccaaagt gatgtttgga        120
tgtaaagtga atatattagtt ggcggatgaa gcagatagtg aggaaagttg agccaataat      180
gacgtgaagt ccgtggaagc ctgtggctac aaaaaatgtt gagccgtaga tgccgtcgga        240
aatggtgaag ggagactcga agtactctga ggcttgtagg agggtaaaat agagacccag        300
taaaattgta ataagcagtg cttgaattat ttggtttcgg ttgttttcta ttagactatg        360
```

```
gtgagctcag gtgattgata ctcctgatgc gagtaatacg gatgtgttta ggagtgggac    420
ttctagggga tttagcgggg tgatgcctgt tgggggccag tgccctccta gttggggggt    480
aggggctagg ctggagtggt aaaaggctca gaaaaatcct gcgaagaaaa aaacttctga    540
ggtaataaat aggattatcc cgtatcgaag gcctttttgg acaggtggtg tgtggtggcc    600
ttggtatgtg ctttctcgtg ttacatcgcg ccatcattgg tatatggtta gtgtgttggg    660
ttantanggc ctantatgaa gaacttttgg antggaatta aatcaatngc ttggccggaa    720
gtcattanga nggctnaaaa ggccctgtta ngggtctggg ctnggtttta cccnacccat    780
ggaatncncc ccccggacna ntgnatccct attcttaa                           818


        <210> 7
        <211> 817
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(817)
        <223> n = A,T,C or G

        <400> 7
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cgggccctat ttcaaagatt tttaggggaa ttaattctag gacgatgggt atgaaactgt    120
ggtttgctcc acagatttca gagcattgac cgtagtatac ccccggtcgt gtagcggtga    180
aagtggtttg gtttagacgt ccgggaattg catctgtttt taagcctaat gtggggacag    240
ctcatgagtg caagacgtct tgtgatgtaa ttattatacn aatgggggct tcaatcggga    300
gtactactcg attgtcaacg tcaaggagtc gcaggtcgcc tggttctagg aataatgggg    360
gaagtatgta ggaattgaag attaatccgc cgtagtcggt gttctcctag gttcaatacc    420
attggtggcc aattgatttg atggtaaggg gagggatcgt tgaactcgtc tgttatgtaa    480
aggatncctt ngggatggga aggcnatnaa ggactangga tnaatggcgg gcangatatt    540
tcaaacngtc tctanttcct gaaacgtctg aaatgttaat aanaattaan tttngttatt    600
gaatnttnng gaaaagggct tacaggacta gaaaccaaat angaaaanta atnntaangg    660
cnttatcntn aaaggtnata accnctccta tnatcccacc caatngnatt ccccacncnn    720
acnattggat nccccanttc canaaanggc cncccccggg tgnannccnc cttttgttcc    780
cttnantgan ggttattcnc ccctngcntt atcancc                           817


        <210> 8
        <211> 799
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(799)
        <223> n = A,T,C or G

        <400> 8
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cataaggaga actttctgct ggcacgcgct aggacaagc gggagagcga ctccgagcgt    120
ctgaagcgca cgtcccagaa ggtggacttg gcactgaaac agctgggaca catccgcgag    180
tacgaacagc gcctgaaagt gctggagcgg gaggtccagc agtgtagccg cgtcctgggg    240
tgggtggccg angcctganc cgctctgcct tgctgccccc angtgggccg ccaccccctg    300
acctgcctgg gtccaaacac tgagccctgc tggcggactt caagganaac ccccacanggg    360
ggattttgct cctanantaa ggctcatctg ggcctcggcc cccccacctg gttggccttg    420
tctttgangt gagccccatg tccatctggg ccactgtcng gaccacctttt ngggagtgtt    480
ctccttacaa ccacannatg cccggctcct cccggaaacc antcccancc tgngaaggat    540
```

```
caagncctgn atccactnnt nctanaaccg gccnccnccg cngtggaacc cnccttntgt      600
tcctttctcnt tnagggttaa tnncgccttg gccttnccan ngtcctncnc nttttccnnt      660
gttnaaattg ttangcnccc nccnntcccn cnncnncnan cccgacccnn annttnnann      720
ncctgggggt nccnncngat tgacccnncc nccctntant tgcnttnggg nncnntgccc      780
ctttccctct ngggannncg                                               799
```

        <210> 9
        <211> 801
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(801)
        <223> n = A,T,C or G

        <400> 9

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taangatgac actcccaaag gtggtcctga cagtggccca gatggacatg gggctcacct      120
caaggacaag gccaccaggt gcgggggccg aagcccacat gatccttact ctatgagcaa      180
aatcccctgt gggggcttct ccttgaagtc cgccancagg gctcagtctt tggacccang      240
caggtcatgg ggttgtngnc caactggggg ccncaacgca aaanggcnca gggcctcngn      300
cacccatccc angacgcggc tacactnctg gacctcccnc tccaccactt tcatgcgctg      360
ttcntacccg cgnatntgtc ccanctgttt cngtgccnac tccancttct nggacgtgcg      420
ctacatacgc ccggantcnc nctcccgctt tgtccctatc cacgtnccan caacaaattt      480
cnccntantg caccnattcc cacntttnnc agntttccnc nncgngcttc cttntaaaag      540
ggttgancc cggaaaatnc cccaaagggg gggggccngg tacccaactn ccccctnata      600
gctgaantcc ccatnaccnn gnctcnatgg anccntccnt tttaannacn ttctnaactt      660
gggaanancc ctcgnccntn cccccnttaa tcccnccttg cnangnncnt cccccnntcc      720
ncccnnntng gcntntnann cnaaaaaggc ccnnnancaa tctcctnncn cctcanttcg      780
ccanccctcg aaatcggccn c                                            801
```

        <210> 10
        <211> 789
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 10

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acagtgtggc cgtggtgaca gcttcagccg ccctcaccgg gttcaccttc tcagccctgc      120
agatcctgcc ctacacactg gcctccctct accaccggga gaagcaggtg ttcctgccca      180
aataccgagg ggacactgga ggtgctagca gtgaggacag cctgatgacc agcttcctgc      240
caggccctaa gcctggagct cccttcccta atggacacgt gggtgctgga ggcagtggcc      300
tgctcccacc tccaccgcgc ctctgcgggg cctctgcctg tgatgtctcc gtacgtgtgg      360
tggtgggtga gcccaccgan gccagggtgg ttccgggccg gggcatctgc ctggacctcg      420
ccatcctgga tagtgcttcc tgctgtccca ngtggcccca tccctgttta tgggctccat      480
tgtccagctc agccagtctg tcactgccta tatggtgtct gccgcaggcc tgggtctggt      540
cccatttact ttgctacaca ggtantattt gacaagaacg anttggccaa atactcagcg      600
ttaaaaaatt ccagcaacat tgggggtgga aggcctgcct cactgggtcc aactccccgc      660
tcctgttaac cccatggggc tgccggcttg gccgccaatt tctgttgctg ccaaantnat      720
```

```
gtggctctct gctgccacct gttgctggct gaagtgcnta cngcncanct nggggggtng      780
ggngttccc                                                              789
```

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        <210> 11
        <211> 772
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(772)
        <223> n = A,T,C or G

        <400> 11
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tttgttaaat aaataagtta aatatttaaa tgcctgtgtc tctgtgatgg caacagaagg      120
accaacaggc cacatcctga taaaaggtaa gagggggtg gatcagcaaa aagacagtgc      180
tgtgggctga ggggacctgg ttcttgtgtg ttgcccctca ggactcttcc cctacaaata      240
actttcatat gttcaaatcc catggaggag tgtttcatcc tagaaactcc catgcaagag      300
ctacattaaa cgaagctgca ggttaagggg cttanagatg ggaaaccagg tgactgagtt      360
tattcagctc ccaaaaaccc ttctctaggt gtgtctcaac taggaggcta gctgttaacc      420
ctgagcctgg gtaatccacc tgcagagtcc ccgcattcca gtgcatggaa cccttctggc      480
ctccctgtat aagtccagac tgaaaccccc ttggaaggnc tccagtcagg cagccctana      540
aactggggaa aaaagaaaag gacgccccan cccccagctg tgcanctacg cacctcaaca      600
gcacagggtg gcagcaaaaa aaccacttta ctttggcaca aacaaaaact ngggggggca      660
acccggcac cccnangggg gttaacagga ancngggnaa cntggaaccc aattnaggca       720
ggcccnccac cccnaatntt gctgggaaat ttttcctccc ctaaattntt tc               772
```

```
        <210> 12
        <211> 751
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(751)
        <223> n = A,T,C or G

        <400> 12
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agctgattga agcaaccctc tacttttgg tcgtgagcct tttgcttggt gcaggtttca      120
ttggctgtgt tggtgacgtt gtcattgcaa cagaatgggg gaaaggcact gttctctttg      180
aagtanggtg agtcctcaaa atccgtatag ttggtgaagc cacagcactt gagccctttc      240
atggtggtgt tccacacttg agtgaagtct tcctgggaac cataatcttt cttgatggca      300
ggcactacca gcaacgtcag ggaagtgctc agccattgtg gtgtacacca aggcgaccac      360
agcagctgcn acctcagcaa tgaagatgan gaggangatg aagaagaacg tcncgagggc      420
acacttgctc tcagtcttan caccatanca gcccntgaaa accaananca aagaccacna      480
cnccggctgc gatgaagaaa tnaccccncg ttgacaaact tgcatggcac tggganccac      540
agtggcccna aaaatcttca aaaggatgc cccatcnatt gaccccccaa atgcccactg      600
ccaacagggg ctgccccacn cncnnaacga tganccnatt gnacaagatc tncntggtct      660
tnatnaacnt gaaccctgcn tngtggctcc tgttcaggnc cnnggcctga cttctnaann      720
aangaactcn gaagnccca cnggananc g                                      751
```

```
        <210> 13
        <211> 729
```

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = A,T,C or G

<400> 13
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gagccaggcg tccctctgcc tgcccactca gtggcaacac ccgggagctg ttttgtcctt        60
tgtggancct cagcagtncc ctctttcaga actcantgcc aaganccctg aacaggagcc       120
accatgcagt gcttcagctt cattaagacc atgatgatcc tcttcaattt gctcatcttt       180
ctgtgtggtg cagccctgtt ggcagtgggc atctgggtgt caatcgatgg ggcatccttt       240
ctgaagatct tcgggccact gtcgtccagt gccatgcagt ttgtcaacgt gggctacttc       300
ctcatcgcag ccggcgttgt ggtcttagct ctaggtttcc tgggctgcta tggtgctaag       360
actgagagca agtgtgccct cgtgacgttc ttcttcatcc tcctcctcat cttcattgct       420
gaggttgcaa tgctgtggtc gccttggtgt acaccacaat ggctgagcac ttcctgacgt       480
tgctggtaat gcctgccatc aanaaaagat tatgggttcc caggaanact tcactcaagt       540
gttggaacac caccatgaaa gggctcaagt gctgtggctt cnnccaacta tacggatttt       600
gaagantcac ctacttcaaa gaaaanagtg cctttccccc atttctgttg caattgacaa       660
acgtccccaa cacagccaat tgaaaacctg cacccaaccc aaangggtcc ccaaccanaa       720
attnaaggg                                                               729
```

<210> 14
<211> 816
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(816)
<223> n = A,T,C or G

<400> 14
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tgctcttcct caaagttgtt cttgttgcca taacaaccac cataggtaaa gcgggcgcag        60
tgttcgctga aggggttgta gtaccagcgc gggatgctct ccttgcagag tcctgtgtct       120
ggcaggtcca cgcagtgccc tttgtcactg gggaaatgga tgcgctggag ctcgtcaaag       180
ccactcgtgt attttttcaca ggcagcctcg tccgacgcgt cggggcagtt gggggtgtct      240
tcacactcca ggaaactgtc natgcagcag ccattgctgc agcggaactg ggtgggctga       300
cangtgccag agcacactgg atggcgcctt ccatgnnan gggccctgng ggaaagtccc        360
tganccccan anctgcctct caaangcccc accttgcaca ccccgacagg ctagaatgga       420
atcttcttcc cgaaaggtag ttnttcttgt tgcccaancc anccccntaa acaaactctt       480
gcanatctgc tccgnggggg tcntantacc ancgtgggaa aagaacccca ggcngcgaac       540
caancttgtt tggatncgaa gcnataatct nctnttctgc ttggtggaca gcaccantna       600
ctgtnnanct ttagnccntg gtcctcntgg gttgnncttg aacctaatcn ccnntcaact       660
gggacaaggt aantngccnt cctttnaatt cccnancntn cccctggtt tggggtttn        720
cncnctccta ccccagaaan nccgtgttcc cccccaacta ggggccnaaa ccnnttnttc       780
cacaaccctn ccccacccac gggttcngnt ggttng                                 816
```

<210> 15
<211> 783
<212> DNA
<213> Homo sapien

<220>

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<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G


<400> 15
ccaaggcctg ggcaggcata nacttgaagg tacaacccca ggaacccctg gtgctgaagg      60
atgtggaaaa cacagattgg cgcctactgc ggggtgacac ggatgtcagg gtagagagga     120
aagacccaaa ccaggtggaa ctgtggggac tcaaggaang cacctacctg ttccagctga     180
cagtgactag ctcagaccac ccagaggaca cggccaacgt cacagtcact gtgctgtcca     240
ccaagcagac agaagactac tgcctcgcat ccaacaangt gggtcgctgc cggggctctt     300
tcccacgctg gtactatgac cccacggagc agatctgcaa gagtttcgtt tatggaggct     360
gcttgggcaa caagaacaac taccttcggg aagaagagtg cattctancc tgtcngggtg     420
tgcaaggtgg gcctttgana ngcanctctg gggctcangc gactttcccc cagggcccct     480
ccatggaaag gcgccatcca ntgttctctg gcacctgtca gcccacccag ttccgctgca     540
ncaatggctg ctgcatcnac antttcctng aattgtgaca acacccccca ntgcccccaa     600
ccctcccaac aaagcttccc tgttnaaaaa tacnccantt ggctttnac aaacncccgg     660
cncctccntt ttccccnntn aacaaagggc nctngcnttt gaactgcccn aacccnggaa     720
tctnccnngg aaaaantncc cccctggtt cctnnaancc cctccncnaa anctnccccc     780
ccc                                                                  783


<210> 16
<211> 801
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G


<400> 16
gccccaattc cagctgccac accacccacg gtgactgcat tagttcggat gtcatacaaa      60
agctgattga agcaaccctc tactttttgg tcgtgagcct tttgcttggt gcaggtttca     120
ttggctgtgt tggtgacgtt gtcattgcaa cagaatgggg gaaaggcact gttctctttg     180
aagtagggtg agtcctcaaa atccgtatag ttggtgaagc cacagcactt gagccctttc     240
atggtggtgt tccacacttg agtgaagtct tcctgggaac cataatcttt cttgatggca     300
ggcactacca gcaacgtcag gaagtgctca gccattgtgg tgtacaccaa ggcgaccaca     360
gcagctgcaa cctcagcaat gaagatgagg aggaggatga agaagaacgt cncgagggca     420
cacttgctct ccgtcttagc accatagcag cccangaaac caagagcaaa gaccacaacg     480
ccngctgcga atgaaagaaa ntacccacgt tgacaaactg catggccact ggacgacagt     540
tggcccgaan atcttcagaa aagggatgcc ccatcgattg aacacccana tgcccactgc     600
cnacagggct gcnccncncn gaaagaatga gccattgaag aaggatcntc ntggtcttaa     660
tgaactgaaa ccntgcatgg tggcccctgt tcagggctct tggcagtgaa ttctganaaa     720
aaggaacngc ntnagccccc ccaaangana aaacacccc gggtgttgcc ctgaattggc     780
ggccaaggan ccctgccccn g                                              801


<210> 17
<211> 740
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G
```

```
<400> 17
gtgagagcca ggcgtccctc tgcctgccca ctcagtggca acacccggga gctgttttgt        60
cctttgtgga gcctcagcag ttccctcttt cagaactcac tgccaagagc cctgaacagg       120
agccaccatg cagtgcttca gcttcattaa gaccatgatg atcctcttca atttgctcat       180
ctttctgtgt ggtgcagccc tgttggcagt gggcatctgg gtgtcaatcg atggggcatc       240
ctttctgaag atcttcgggc cactgtcgtc cagtgccatg cagtttgtca acgtgggcta       300
cttcctcatc gcagccggcg ttgtggtctt tgctcttggt ttcctgggct gctatggtgc       360
taagacggag agcaagtgtg ccctcgtgac gttcttcttc atcctcctcc tcatcttcat       420
tgctgaagtt gcagctgctg tggtcgcctt ggtgtacacc acaatggctg aaccattcct       480
gacgttgctg gtantgcctg ccatcaanaa agattatggg ttcccaggaa aaattcactc       540
aantntggaa caccnccatg aaaagggctc caatttctgn tggcttcccc aactataccg       600
gaattttgaa agantcnccc tacttccaaa aaaaaanant tgcctttncc cccnttctgt       660
tgcaatgaaa acntcccaan acngccaatn aaaacctgcc cnnncaaaaa ggntcncaaa       720
caaaaaaant nnaagggttn                                                    740


        <210> 18
        <211> 802
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(802)
        <223> n = A,T,C or G

        <400> 18
ccgctggttg cgctggtcca gngnagccac gaagcacgtc agcatacaca gcctcaatca        60
caaggtcttc cagctgccgc acattacgca gggcaagagc ctccagcaac actgcatatg       120
ggatacactt tactttagca gccagggtga caactgagag gtgtcgaagc ttattcttct       180
gagcctctgt tagtggagga agattccggg cttcagctaa gtagtcagcg tatgtcccat       240
aagcaaacac tgtgagcagc cggaaggtag aggcaaagtc actctcagcc agctctctaa       300
cattgggcat gtccagcagt tctccaaaca cgtagacacc agnggcctcc agcacctgat       360
ggatgagtgt ggccagcgct gcccccttgg ccgacttggc taggagcaga aattgctcct       420
ggttctgccc tgtcaccttc acttccgcac tcatcactgc actgagtgtg ggggacttgg       480
gctcaggatg tccagagacg tggttccgcc ccctcnctta atgacaccgn ccannncaacc      540
gtcggctccc gccgantgng ttcgtcgtnc ctgggtcagg gtctgctggc cnctacttgc       600
aancttcgtc nggcccatgg aattcaccnc accggaactn gtangatcca ctnnttctat       660
aaccggncgc caccgcnnnt ggaactccac tcttnttncc tttacttgag ggttaaggtc       720
acccttnncg ttaccttggt ccaaaccntn ccntgtgtcg anatngtnaa tcnggnccna       780
tnccanccnc atangaagcc ng                                                 802


        <210> 19
        <211> 731
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(731)
        <223> n = A,T,C or G


        <400> 19
cnaagcttcc aggtnacggg ccgcnaancc tgacccnagg tancanaang cagncngcgg        60
gagcccaccg tcacgnggng gngtctttat nggagggggc ggagccacat cnctggacnt       120
```

```
cntgacccca actccccncc ncncantgca gtgatgagtg cagaactgaa ggtnacgtgg    180
caggaaccaa gancaaannc tgctccnntc caagtcggcn naggggggcgg ggctggccac   240
gcncatccnt cnagtgctgn aaagccccnn cctgtctact tgtttggaga acngcnnnga    300
catgcccagn gttanataac nggcngagag tnantttgcc tctcccttcc ggctgcgcan    360
cgngtntgct tagnggacat aacctgacta cttaactgaa cccnngaatc tnccnccct     420
ccactaagct cagaacaaaa aacttcgaca ccactcantt gtcacctgnc tgctcaagta    480
aagtgtaccc catncccaat gtntgctnga ngctctgncc tgcnttangt tcggtcctgg    540
gaagacctat caattnaagc tatgtttctg actgcctctt gctccctgna acaancnacc    600
cnncnntcca aggggggggnc ggcccccaat cccccaacc ntnaattnan tttanccccn    660
ccccnnggcc cggccttta cnancntcnn nnacngggna aaaccnnngc tttncccaac     720
nnaatccncc t                                                         731
```

```
        <210> 20
        <211> 754
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(754)
        <223> n = A,T,C or G

        <400> 20
ttttttttttt tttttttttt taaaaacccc ctccattnaa tgnaaacttc cgaaattgtc    60
caacccctc ntccaaatnn ccntttccgg gnggggggttc caaacccaan ttannttttgg    120
anttaaatt aaatnttnnt tggnggnnna anccnaatgt nangaaagtt naacccanta      180
tnancttnaa tncctggaaa ccngtngntt ccaaaaatnt ttaacccctta antccctccg    240
aaatngttna nggaaaaccc aanttctcnt aaggttgttt gaaggntnaa tnaaaanccc     300
nnccaattgt ttttngccac gcctgaatta attggnttcc gntgttttcc nttaaaanaa     360
ggnnancccc ggttantnaa tccccccnnc cccaattata ccganttttt ttngaattgg     420
ganccncgg gaattaacgg ggnnnntccc tnttggggggg cnggnnnccc ccccntcggg     480
ggttnggggnc aggncnnaat tgtttaaggg tccgaaaaat ccctccnaga aaaaaanctc     540
ccaggntgag nntngggttt nccccccccc canggcccct ctcgnanagt tggggtttgg     600
ggggcctggg attttntttc ccctnttncc tccccccccc ccnggganag aggttngngt     660
tttgntcnnc ggccccnccn aaganctttn ccganttnan ttaaatccnt gcctnggcga    720
agtccnttgn agggntaaan ggcccccctnn cggg                                754
```

```
        <210> 21
        <211> 755
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 21
atcancccat gaccccnaac nngggaccnc tcanccggnc nnncnaccnc cggccnatca     60
nngtnagnnc actncnnttn natcacnccc cnccnactac gcccncnanc cnacgcncta    120
nncanatncc actganngcg cgangtngan ngagaaanct nataccanag ncaccanacn    180
ccagctgtcc nanaangcct nnnatacngg nnnatccaat ntgnancctc cnaagtattn    240
nncnncanat gattttcctn anccgattac ccntncccccc tancccctcc cccccaacna   300
cgaaggcnct ggnccnaagg nngcgncncc ccgctagntc cccnncaagt cncncnccta    360
aactcanccn nattacncgc ttcntgagta tcactccccg aatctcaccc tactcaactc    420
```

```
aaaaanatcn gatacaaaat aatncaagcc tgnttatnac actntgactg ggtctctatt      480
ttagnggtcc ntnaancntc ctaatacttc cagtctncct tcnccaattt ccnaanggct      540
ctttcngaca gcatnttttg gttcccnntt gggttcttan ngaattgccc ttcntngaac      600
gggctcntct tttccttcgg ttancctggn ttcnnccggc cagttattat ttcccntttt      660
aaattcntnc cntttanttt tggcnttcna aaccccggc cttgaaaacg gcccctggt       720
aaaggttgt tttganaaaa tttttgtttt gttcc                                 755
```

<210> 22
<211> 849
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(849)
<223> n = A,T,C or G

<400> 22
```
tttttttttt tttttangtg tngtcgtgca ggtagaggct tactacaant gtgaanacgt       60
acgctnggan taangcgacc cganttctag ganncnccct aaaatcanac tgtgaagatn      120
atcctgnnna cggaanggtc accggnngat nntgctaggg tgnccnctcc cannncnttn      180
cataactcng nggccctgcc caccaccttc ggcggcccng ngnccgggcc cgggtcattn      240
gnnttaaccn cactnngcna ncggtttccn ncccnncng acccnggcga tccggggtnc       300
tctgtcttcc cctgnagncn anaaantggg ccncggnccc ctttacccct nnacaagcca      360
cngccntcta nccncngccc ccctccant nnggggact gccnanngct ccgttnctng       420
nnaccccnnn gggtncctcg gttgtcgant cnaccgnang ccanggattc cnaaggaagg      480
tgcgttnttg gcccctaccc ttcgctncgg nncacccttc ccgacnanga nccgctcccg      540
cncnncgnng cctcncctcg caacacccgc nctcntcngt ncggnnnccc ccccacccgc      600
nccctcncnc ngncgnancn ctccnccncc gtctcannca ccaccccgcc ccgccaggcc      660
ntcanccacn ggnngacnng nagcncnntc gcnccgcgcn gcgncnccct cgccncngaa      720
ctncntcngg ccantnncgc tcaanccnna cnaaacgccg ctgcgcggcc cgnagcgncc      780
ncctccncga gtcctcccgn cttccnaccc angnnttccn cgaggacacn nnaccccgcc      840
nncangcgg                                                             849
```

<210> 23
<211> 872
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(872)
<223> n = A,T,C or G

<400> 23
```
gcgcaaacta tacttcgctc gnactcgtgc gcctcgctnc tcttttcctc cgcaaccatg       60
tctgacnanc ccgattnggc ngatatcnan aagntcganc agtccaaact gantaacaca      120
cacacncnan aganaaatcc nctgccttcc anagtanacn attgaacnng agaaccangc      180
nggcgaatcg taatnaggcg tgcgccgcca atntgtcncc gtttattntn ccagcntcnc      240
ctnccnaccc tacntcttcn nagctgtcnn accccctngtn cgnacccccc naggtcggga      300
tcgggtttnn nntgaccgng cnncccctcc cccntccat nacganccnc ccgcaccacc      360
nanngcncgc ncccngnnct cttcgccncc ctgtcctntn ccctgtngc ctggcncgn       420
accgcattga ccctcgccnn ctncnngaaa ncgnanacgt ccgggttgnn annancgctg      480
tgggnnngcg tctgcnccgc gttccttccn ncnncttcca ccatcttcnt tacnggctct      540
ccncgccntc tcnnncacnc cctgggacgc tntcctntgc ccccttnac tcccccctt       600
```

```
cgncgtgncc cgnccccacc ntcatttnca nacgntcttc acaannncct ggntnnctcc    660
cnancngncn gtcanccnag ggaagggngg ggnnccnntg nttgacgttg nggngangtc    720
cgaanantcc tcnccntcan cnctacccct cgggcgnnct ctcngttncc aacttancaa    780
ntctcccccg ngngcncntc tcagcctcnc ccnccccnct ctctgcantg tnctctgctc    840
tnaccnntac gantnttcgn cnccctcttt cc                                  872
```

        <210> 24
        <211> 815
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(815)
        <223> n = A,T,C or G

        <400> 24
```
gcatgcaagc ttgagtattc tatagngtca cctaaatanc ttggcntaat catggtcnta     60
nctgncttcc tgtgtcaaat gtatacnaan tanatatgaa tctnatntga caaganngta    120
tcntncatta gtaacaantg tnntgtccat cctgtcngan canattccca tnnattncgn    180
cgcattcncn gcncantatn taatnggaa  ntcnnntnnn ncaccnncat ctatcntncc    240
gcnccctgac tggnagagat ggatnanttc tnntntgacc nacatgttca tcttggattn    300
aananccccc cgcngnccac cggttngnng cnagccnntc ccaagacctc ctgtggaggt    360
aacctgcgtc aganncatca aacntgggaa acccgcnncc angtnnaagt ngnnncanan    420
gatcccgtcc aggnttnacc atcccttcnc agcgcccct  ttngtgcctt anagngnagc    480
gtgtccnanc cnctcaacat ganacgcgcc agnccanccg caattnggca caatgtcgnc    540
gaacccccta gggggantna tncaaanccc caggattgtc cncncangaa atcccncanc    600
cccnccctac ccnnctttgg gacngtgacc aantcccgga gtnccagtcc ggccngnctc    660
ccccaccggt nnccntgggg gggtgaanct cngnntcanc cngncgaggn ntcgnaagga    720
accggncctn ggncgaanng ancnntcnga agngccncnt cgtataaccc cccctcncca    780
nccnacngnt agntcccccc cngggtncgg aangg                              815
```

        <210> 25
        <211> 775
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 25
```
ccgagatgtc tcgctccgtg gccttagctg tgctcgcgct actctctctt tctggcctgg     60
aggctatcca gcgtactcca aagattcagg tttactcacg tcatccagca gagaatggaa    120
agtcaaattt cctgaattgc tatgtgtctg ggtttcatcc atccgacatt gaanttgact    180
tactgaagaa tgganagaga attgaaaaag tggagcattc agacttgtct ttcagcaagg    240
actggtcttt ctatctcntg tactacactg aattcacccc cactgaaaaa gatgagtatg    300
cctgccgtgt gaaccatgtg actttgtcac agcccaagat agttaagtgg gatcgagaca    360
tgtaagcagn cnncatggaa gtttgaagat gccgcatttg gattggatga attccaaatt    420
ctgcttgctt gcnttttaat antgatatgc ntatacaccc tacccttttat gnccccaaat    480
tgtaggggtt acatnantgt tcncntggga catgatcttc ctttataant ccnccnttcg    540
aattgcccgt cnccngttn  ngaatgtttc cnnaaccacg gttggctccc ccaggtcncc    600
tcttacggaa gggcctgggc cnctttncaa ggttgggga  accnaaaatt tcncttntgc    660
ccncccncca cnntcttgng nncncanttt ggaacccttc cnattcccct tggcctcnna    720
```

```
nccttnncta anaaaacttn aaancgtngc naaanntttn acttcccccc ttacc          775
```

```
        <210> 26
        <211> 820
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(820)
        <223> n = A,T,C or G

        <400> 26
anattantac agtgtaatct tttcccagag gtgtgtanag ggaacggggc ctagaggcat          60
cccanagata ncttatanca acagtgcttt gaccaagagc tgctgggcac atttcctgca         120
gaaaaggtgg cggtccccat cactcctcct ctcccatagc catcccagag gggtgagtag         180
ccatcangcc ttcggtggga gggagtcang gaaacaacan accacagagc anacagacca         240
ntgatgacca tgggcgggag cgagcctctt ccctgnaccg gggtggcana nganagccta         300
nctgaggggt cacactataa acgttaacga ccnagatnan cacctgcttc aagtgcaccc         360
ttcctacctg acnaccagng accnnnaact gcngcctggg gacagcnctg ggancagcta         420
acnnagcact cacctgcccc cccatggccg tncgcntccc tggtcctgnc aagggaagct         480
ccctgttgga attncgggga naccaaggga nccccctcct ccanctgtga aggaaaaann         540
gatggaattt tncccttccg gccnntcccc tcttccttta cacgccccct nntactcntc         600
tccctctntt ntcctgncnc acttttnacc ccnnnatttc ccttnattga tcggannctn         660
ganattccac tnncgcctnc cntcnatcng naanacnaaa nactntctna cccngggggat         720
gggnncctcg ntcatcctct ctttttcnct accnccnntt ctttgcctct ccttngatca
780tccaaccntc gntggccntn ccccccnnn tcctttnccc
820
```

```
        <210> 27
        <211> 818
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(818)
        <223> n = A,T,C or G

        <400> 27
tctgggtgat ggcctcttcc tcctcaggga cctctgactg ctctgggcca aagaatctct          60
tgtttcttct ccgagcccca ggcagcggtg attcagccct gcccaacctg attctgatga         120
ctgcggatgc tgtgacggac ccaaggggca aatagggtcc cagggtccag ggaggggcgc         180
ctgctgagca cttccgcccc tcaccctgcc cagcccctgc catgagctct gggctgggtc         240
tccgcctcca gggttctgct cttccangca ngccancaag tggcgctggg ccacactggc         300
ttcttcctgc cccntccctg gctctgantc tctgtcttcc tgtcctgtgc angcnccttg         360
gatctcagtt tccctcnctc anngaactct gtttctgann tcttcantta actntgantt         420
tatnaccnan tggnctgtnc tgtcnnactt taatgggccn gaccggctaa tccctccctc         480
nctcccttcc anttcnnnna accngcttnc cntcntctcc ccntancccg ccngggaanc         540
ctcctttgcc ctnaccangg gccnnnaccg cccntnnctn ggggggcnng gtnnctncnc         600
ctgntnnccc cnctcncnnt tncctcgtcc cnncnncgcn nngcannttc ncngtcccnn         660
tnnctcttcn ngtntcgnaa ngntcncntn tnnnnngncn ngntnntncn tccctctcnc         720
cnnntgnang tnnttnnnnc ncngnncccc nnnncnnnnn nggnnntnnn tctncncngc         780
cccnnccccc ngnattaagg cctccnntct ccggccnc                                818
```

<210> 28
<211> 731
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

<400> 28

```
aggaagggcg gagggatatt gtangggatt gagggatagg agnataangg gggaggtgtg      60
tcccaacatg anggtgnngt tctctttttga angagggttg ngtttttann ccnggtgggt     120
gattnaaccc cattgtatgg agnnaaaggn tttnagggat ttttcggctc ttatcagtat      180
ntanattcct gtnaatcgga aaatnatntt tcnncnggaa aatnttgctc ccatccgnaa      240
attnctcccg ggtagtgcat nttnggggggn cngccangtt tcccaggctg ctanaatcgt     300
actaaagntt naagtgggan tncaaatgaa aacctnncac agagnatccn tacccgactg      360
tnnnttncct tcgccctntg actctgcnng agcccaatac ccnngngnat gtcnccngn       420
nnngcgncnc tgaaannnnc tcgnggctnn gancatcang gggtttcgca tcaaaagcnn      480
cgtttcncat naaggcactt tngcctcatc caaccnctng ccctcnncca tttngccgtc      540
nggttcncct acgctnntng cnccctnnntn ganattttnc ccgcctnggg naancctcct     600
gnaatgggta gggncttntc ttttnaccnn gnggtntact aatcnnctnc acgcntnctt      660
tctcnacccc cccccttttt caatcccanc ggcnaatggg gtctccccnn cganggggg      720
nnncccannc c                                                          731
```

<210> 29
<211> 822
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(822)
<223> n = A,T,C or G

<400> 29

```
actagtccag tgtggtggaa ttccattgtg ttggggncnc ttctatgant antnttagat      60
cgctcanacc tcacancctc ccnacnangc ctataangaa nannaataga nctgtncnnt      120
atntntacnc tcatanncct cnnnacccac tccctcttaa cccntactgt gcctatngcn      180
tnnctantct ntgccgcctn cnanccaccn gtgggccnac cncnngnatt ctcnatctcc      240
tcnccatntn gcctananta ngtncatacc ctataccctac nccaatgcta nnnctaancn      300
tccatnantt annntaacta ccactgacnt ngactttcnc atnanctcct aatttgaatc      360
tactctgact cccacngcct annnattagc ancntccccc nacnatntct caaccaaatc      420
ntcaacaacc tatctanctg ttcnccaacc nttncctccg atccccnnac aaccccctc       480
ccaaataccc nccacctgac ncctaacccn caccatcccg gcaagccnan ggncatttan      540
ccactggaat cacnatngga naaaaaaaac ccnaactctc tancncnnat ctccctaana     600
aatnctcctn naatttactn ncantnccat caancccacn tgaaacnnaa cccctgtttt      660
tanatccctt ctttcgaaaa ccnacccttt annncccaac ctttngggcc ccccncctnc      720
ccnaatgaag gncncccaat cnangaaacg nccntgaaaa ancnaggcna anannntccg      780
canatcctat cccttanttn ggggnccctt nccngggcc cc                        822
```

<210> 30
<211> 787
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(787)
<223> n = A,T,C or G

<400> 30
cggccgcctg ctctggcaca tgcctcctga atggcatcaa aagtgatgga ctgcccattg   60
ctagagaaga ccttctctcc tactgtcatt atggagccct gcagactgag ggctcccctt   120
gtctgcagga tttgatgtct gaagtcgtgg agtgtggctt ggagctcctc atctacatna   180
gctggaagcc ctggagggcc tctctcgcca gcctcccct tctctccacg ctctccangg   240
acaccagggg ctccaggcag cccattattc ccagnangac atggtgtttc tccacgcgga   300
cccatggggc ctgnaaggcc agggtctcct ttgacaccat ctctcccgtc ctgcctggca   360
ggccgtggga tccactantt ctanaacggn cgccaccncg gtgggagctc cagcttttgt   420
tcccnttaat gaaggttaat tgcncgcttg gcgtaatcat nggtcanaac tntttcctgt   480
gtgaaattgt ttntcccctc ncnattccnc ncnacatacn aacccggaan cataaagtgt   540
taaagcctgg gggtngcctn nngaatnaac tnaactcaat taattgcgtt ggctcatggc   600
ccgctttccn ttcnggaaaa ctgtcntccc ctgcnttnnt gaatcggcca cccccccnggg   660
aaaagcggtt tgcnttttng ggggntcctt ccncttcccc cctcnctaan ccctncgcct   720
cggtcgttnc nggtngcggg gaangggnat nnnctcccnc naaggggggng agnnngntat   780
ccccaaa   787

<210> 31
<211> 799
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(799)
<223> n = A,T,C or G

<400> 31
tttttttttt tttttttggc gatgctactg tttaattgca ggaggtgggg gtgtgtgtac   60
catgtaccag ggctattaga agcaagaagg aaggagggag ggcagagcgc cctgctgagc   120
aacaaaggac tcctgcagcc ttctctgtct gtctcttggc gcaggcacat ggggaggcct   180
cccgcagggt gggggccacc agtccagggg tgggagcact acangggtg ggagtgggtg   240
gtggctggtn cnaatggcct gncacanatc cctacgattc ttgacacctg gatttcacca   300
ggggaccttc tgttctccca nggnaacttc ntnnatctcn aaagaacaca actgtttctt   360
cngcanttct ggctgttcat ggaaagcaca ggtgtccnat ttnggctggg acttggtaca   420
tatggttccg gcccacctct cccntcnaan aagtaattca ccccccccn ccntctnttg   480
cctgggccct taantaccca caccggaact canttantta ttcatcttng gntgggcttg   540
ntnatcnccn cctgaangcg ccaagttgaa aggccacgcc gtnccnctc cccatagnan   600
nttttnncnt canctaatgc cccccnggc aacnatccaa tccccccccn tgggggcccc   660
agcccanggc ccccgnctcg ggnnccngn cncgnantcc ccaggntctc ccantcngnc   720
ccnnngcncc cccgcacgca gaacanaagg ntngagccnc cgcannnnn nggtnncnac   780
ctcgcccccc ccnncgnng   799

<210> 32
<211> 789
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(789)
<223> n = A,T,C or G

<400> 32
```
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt        60
ttttnccnag ggcaggttta ttgacaacct cncgggacac aancaggctg gggacaggac       120
ggcaacaggc tccggcggcg gcggcggcgg ccctacctgc ggtaccaaat ntgcagcctc       180
cgctcccgct tgatnttcct ctgcagctgc aggatgccnt aaaacagggc ctcggccntn       240
ggtgggcacc ctgggatttn aatttccacg ggcacaatgc ggtcgcancc cctcaccacc       300
nattaggaat agtggtntta cccnccnccg ttggcncact ccccntggaa accacttntc       360
gcggctccgg catctggtct taaaccttgc aaacnctggg gccctctttt tggttantnt       420
nccngccaca atcatnactc agactggcnc gggctggccc caaaaaancn ccccaaaacc       480
ggnccatgtc ttnncggggt tgctgcnatn tncatcacct cccgggcnca ncaggncaac       540
ccaaaagttc ttgnggcccn caaaaaanct ccggggggnc ccagtttcaa caaagtcatc       600
cccccttggcc cccaaatcct ccccccgntt nctgggtttg ggaacccacg cctctnnctt       660
tggnnggcaa gntggntccc ccttcgggcc cccggtgggc ccnnctctaa ngaaaacncc       720
ntcctnnnca ccatccccccc nngnnacgnc tancaangna tccctttttt tanaaacggg       780
cccccccncg                                                               789
```

<210> 33
<211> 793
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 33
```
gacagaacat gttggatggt ggagcacctt tctatacgac ttacaggaca gcagatgggg        60
aattcatggc tgttggagca atanaacccc agttctacga gctgctgatc aaaggacttg       120
gactaaagtc tgatgaactt cccaatcaga tgagcatgga tgattggcca gaaatgaana       180
agaagtttgc agatgtattt gcaaagaaga cgaaggcaga gtggtgtcaa atctttgacg       240
gcacagatgc ctgtgtgact ccggttctga cttttgagga ggttgttcat catgatcaca       300
acaangaacg gggctcgttt atcaccantg aggagcagga cgtgagcccc cgccctgcac       360
ctctgctgtt aaacacccca gccatccctt ctttcaaaag ggatccacta cttctagagc       420
ggncgccacc gcggtggagc tccagctttt gttccctta gtgagggtta attgcgcgct        480
tggcgtaatc atggtcatan ctgtttcctg tgtgaaattg ttatccgctc acaattccac       540
acaacatacg anccggaagc atnaaatttt aaagcctggn ggtngcctaa tgantgaact       600
nactcacatt aattggcttt gcgctcactg cccgctttcc agtccggaaa acctgtcctt       660
gccagctgcc nttaatgaat cnggccaccc cccggggaaa aggcngtttg cttnttgggg       720
cgcncttccc gctttctcgc ttcctgaant ccttcccccc ggtctttcgg cttgcggcna       780
acggtatcna cct                                                          793
```

<210> 34
<211> 756
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 34

```
gccgcgaccg gcatgtacga gcaactcaag ggcgagtgga accgtaaaag ccccaatctt        60
ancaagtgcg gggaanagct gggtcgactc aagctagttc ttctggagct caacttcttg       120
ccaaccacag ggaccaagct gaccaaacag cagctaattc tggcccgtga catactggag       180
atcggggccc aatggagcat cctacgcaan gacatcccct ccttcgagcg ctacatggcc       240
cagctcaaat gctactactt tgattacaan gagcagctcc ccgagtcagc ctatatgcac       300
cagctcttgg gcctcaacct cctcttcctg ctgtcccaga accgggtggc tgantnccac       360
acgganttgg ancggctgcc tgcccaanga catacanacc aatgtctaca tcnaccacca       420
gtgtcctgga gcaatactga tgganggcag ctaccncaaa gtnttcctgg ccnagggtaa       480
catcccccgc cgagagctac accttcttca ttgacatcct gctcgacact atcagggatg       540
aaaatcgcng ggttgctcca gaaaggctnc aanaanatcc ttttcnctga aggcccccgg       600
atncnctagt nctagaatcg gcccgccatc gcggtgganc ctccaacctt tcgttnccct       660
ttactgaggg ttnattgccg cccttggcgt tatcatggtc acnccngttn cctgtgttga       720
aattnttaac cccccacaat tccacgccna cattng                                 756
```

<210> 35
<211> 834
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(834)
<223> n = A,T,C or G

<400> 35

```
ggggatctct anatcnacct gnatgcatgg ttgtcggtgt ggtcgctgtc gatgaanatg        60
aacaggatct tgcccttgaa gctctcggct gctgtnttta agttgctcag tctgccgtca       120
tagtcagaca cnctcttggg caaaaaacan caggatntga gtcttgattt cacctccaat       180
aatcttcngg gctgtctgct cggtgaactc gatgacnang ggcagctggt tgtgtntgat       240
aaantccanc angttctcct tggtgacctc cccttcaaag ttgttccggc cttcatcaaa       300
cttctnnaan angannancc canctttgtc gagctggnat ttgganaaca cgtcactgtt       360
ggaaactgat cccaaatggt atgtcatcca tcgcctctgc tgcctgcaaa aaacttgctt       420
ggcncaaatc cgactccccn tccttgaaag aagccnatca cacccccctc cctggactcc       480
nncaangact ctnccgctnc cccntccnng cagggttggt ggcannccgg gcccntgcgc       540
ttcttcagcc agttcacnat nttcatcagc ccctctgcca gctgttntat tccttggggg       600
ggaanccgtc tctcccttcc tgaannaact ttgaccgtng gaatagccgc gcntcnccnt       660
acntnctggg ccgggttcaa antccctccn ttgncnntcn cctcgggcca ttctggattt       720
nccnaacttt ttccttcccc cnccccncgg ngtttggntt tttcatnggg ccccaactct       780
gctnttggcc antccctgg gggcntntan cnccccctnt ggtcccntng ggcc             834
```

<210> 36
<211> 814
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(814)
<223> n = A,T,C or G

<400> 36

```
cggncgcttt ccngccgcgc cccgtttcca tgacnaaggc tcccttcang ttaaatacnn        60
cctagnaaac attaatgggt tgctctacta atacatcata cnaaccagta agcctgccca       120
naacgccaac tcaggccatt cctaccaaag gaagaaaggc tggtctctcc accccctgta       180
```

```
ggaaaggcct gccttgtaag acaccacaat ncggctgaat ctnaagtctt gtgttttact    240
aatggaaaaa aaaaataaac aanaggtttt gttctcatgg ctgcccaccg cagcctggca    300
ctaaaacanc ccagcgctca cttctgcttg ganaaatatt ctttgctctt ttggacatca    360
ggcttgatgg tatcactgcc acntttccac ccagctgggc ncccttcccc catntttgtc    420
antganctgg aaggcctgaa ncttagtctc caaaagtctc ngcccacaag accggccacc    480
aggggangtc ntttncagtg gatctgccaa anantacccn tatcatcnnt gaataaaaag    540
gcccctgaac ganatgcttc cancancctt taagacccat aatcctngaa ccatggtgcc    600
cttccggtct gatccnaaag gaatgttcct gggtcccant ccctcctttg ttncttacgt    660
tgtnttggac ccntgctngn atnacccaan tganatcccc ngaagcaccc tncccctggc    720
atttganttt cntaaattct ctgccctacn nctgaaagca cnattccctn ggcnccnaan    780
ggngaactca agaaggtctn ngaaaaacca cncn                                814
```

```
        <210> 37
        <211> 760
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(760)
        <223> n = A,T,C or G

        <400> 37
gcatgctgct cttcctcaaa gttgttcttg ttgccataac aaccaccata ggtaaagcgg.    60.
gcgcagtgtt cgctgaaggg gttgtagtac cagcgcggga tgctctcctt gcagagtcct    120
gtgtctggca ggtccacgca atgccctttg tcactgggga aatggatgcg ctggagctcg.    180
tcnaanccac tcgtgtattt ttcacangca gcctcctccg aagcntccgg gcagttgggg.    240
gtgtcgtcac actccactaa actgtcgatn cancagccca ttgctgcagc ggaactgggt    300
gggctgacag gtgccagaac acactggatn ggcctttcca tggaagggcc tgggggaaat    360
cncctnancc caaactgcct ctcaaaggcc accttgcaca ccccgacagg ctagaaatgc.    420
actcttcttc ccaaaggtag ttgttcttgt tgcccaagca ncctccanca aaccaaaanc    480
ttgcaaaatc tgctccgtgg gggtcatnnn taccanggtt ggggaaanaa acccggcngn.    540
ganccncctt gtttgaatgc naaggnaata atcctcctgt cttgcttggg tggaanagca    600
caattgaact gttaacnttg ggccgngttc cnctngggtg gtctgaaact aatcaccgtc.    660
actggaaaaa ggtangtgcc ttccttgaat tcccaaantt cccctngntt tgggtnnttt    720
ctcctctncc ctaaaaatcg tnttcccccc ccntanggcg                          760
```

```
        <210> 38
        <211> 724
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(724)
        <223> n = A,T,C or G

        <400> 38
tttttttttt tttttttttt tttttttttt tttttaaaaa cccccctccat tgaatgaaaa    60
cttccnaaat tgtccaaccc cctcnnccaa atnnccattt ccggggggggg gttccaaacc    120
caaattaatt ttggantta aattaaatnt tnattngggg aanaanccaa atgtnaagaa    180
aatttaaccc attatnaact taaatncctn gaaacccntg gnttccaaaa attttaacc    240
cttaaatccc tccgaaattg ntaanggaaa accaaattcn cctaaggctn tttgaaggtt    300
ngatttaaac cccttnant tnttttnacc cnngnctnaa ntatttngnt tccggtgttt    360
tcctnttaan cntnggtaac tcccgntaat gaannnccct aanccaatta aaccgaattt    420
```

```
ttttttgaatt ggaaaattccn ngggaattna ccggggtttt tcccntttgg gggccatncc        480
cccncttttcg gggtttgggn ntaggttgaa tttttnnang ncccaaaaaa ncccccaana        540
aaaaaactcc caagnnttaa ttngaatntc cccccttccca ggccttttgg gaaaggnggg        600
tttntgggggg ccngggantt cnttcccccn ttnccncccc cccccccnggt aaanggttat        660
ngnntttggt ttttgggccc cttnanggac cttccggatn gaaattaaat ccccgggncg        720
gccg                                                                      724
```

```
<210> 39
<211> 751
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 39
```

```
tttttttttt ttttctttg ctcacattta attttattt tgattttttt taatgctgca         60
caacacaata tttatttcat ttgtttcttt tatttcattt tatttgtttg ctgctgctgt        120
tttatttatt tttactgaaa gtgagaggga acttttgtgg ccttttttcc tttttctgta        180
ggccgcctta agctttctaa atttggaaca tctaagcaag ctgaaggaa aaggggggttt        240
cgcaaaatca ctcggggggaa nggaaaggtt gctttgttaa tcatgcccta tggtgggtga        300
ttaactgctt gtacaattac ntttcacttt taattaattg tgctnaangc tttaattana        360
cttggggggtt ccctccccan accaacccccn ctgacaaaaa gtgccngccc tcaaatnatg        420
tcccggcnnt cnttgaaaca cacngcngaa ngttctcatt ntccccncnc caggtnaaaa        480
tgaagggtta ccatnttttaa cnccacctcc acntggcnnn gcctgaatcc tcnaaaancn        540
ccctcaancn aattnctnng ccccggtcnc gcntnngtcc cnccccgggct ccgggaantn        600
caccccccnga anncnntnnc naacnaaatt ccgaaaatat tcccnntcnc tcaattcccc        660
cnnagactnt cctcnncnan cncaattttc ttttnntcac gaacncgnnc cnnaaaatgn        720
nnnncncctc cnctngtccn naatcnccan c                                        751
```

```
<210> 40
<211> 753
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 40
```

```
gtggtatttt ctgtaagatc aggtgttcct ccctcgtagg tttagaggaa acaccctcat         60
agatgaaaac cccccccgaga cagcagcact gcaactgcca agcagccggg gtaggagggg        120
cgccctatgc acagctgggc ccttgagaca gcagggcttc gatgtcaggc tcgatgtcaa        180
tggtctggaa gcggcggctg tacctgcgta ggggcacacc gtcagggccc accaggaact        240
tctcaaagtt ccaggcaacn tcgttgcgac acaccggaga ccaggtgatn agcttggggt        300
cggtcataan cgcggtggcg tcgtcgctgg gagctggcag ggcctcccgc aggaaggcna        360
ataaaaggtg cgcccccgca ccgttcanct cgcacttctc naanaccatg angttgggct        420
cnaacccacc accannccgg acttccttga nggaattccc aaatctcttc gntcttgggc        480
ttctnctgat gccctanctg gttgcccngn atgccaanca nccccaancc ccggggtcct        540
aaancacccn cctcctcntt tcatctgggt tnttntcccc ggaccntggt tcctctcaag        600
ggancccata tctcnaccan tactcacccnt nccccccccnt gnnacccanc cttctanngn        660
ttcccncccg ncctctggcc cntcaaanan gcttncacna cctgggtctg ccttcccccc        720
```

```
tnccctatct gnaccccncn tttgtctcan tnt                                    753
```

```
        <210> 41
        <211> 341
        <212> DNA
        <213> Homo sapien

        <400> 41
actatatcca tcacaacaga catgcttcat cccatagact tcttgacata gcttcaaatg       60
agtgaaccca tccttgattt atatacatat atgttctcag tattttggga gcctttccac      120
ttctttaaac cttgttcatt atgaacactg aaaataggaa tttgtgaaga gttaaaaagt      180
tatagcttgt ttacgtagta agtttttgaa gtctacattc aatccagaca cttagttgag      240
tgttaaactg tgattttaa aaaatatcat ttgagaatat tctttcagag gtattttcat       300
ttttactttt tgattaattg tgttttatat attagggtag t                         341
```

```
        <210> 42
        <211> 101
        <212> DNA
        <213> Homo sapien

        <400> 42
acttactgaa tttagttctg tgctcttcct tatttagtgt tgtatcataa atactttgat       60
gtttcaaaca ttctaaataa ataattttca gtggcttcat a                         101
```

```
        <210> 43
        <211> 305
        <212> DNA
        <213> Homo sapien

        <400> 43
acatctttgt tacagtctaa gatgtgttct taaatcacca ttccttcctg gtcctcaccc       60
tccagggtgg tctcacactg taattagagc tattgaggag tctttacagc aaattaagat      120
tcagatgcct tgctaagtct agagttctag agttatgttt cagaaagtct aagaaaccca      180
cctcttgaga ggtcagtaaa gaggacttaa tatttcatat ctacaaatg accacaggat       240
tggatacaga acgagagtta tcctggataa ctcagagctg agtacctgcc cggggggccgc     300
tcgaa                                                                  305
```

```
        <210> 44
        <211> 852
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(852)
        <223> n = A,T,C or G

        <400> 44
acataaatat cagagaaaag tagtctttga aatatttacg tccaggagtt ctttgtttct       60
gattatttgg tgtgtgtttt ggtttgtgtc caaagtattg gcagcttcag ttttcatttt      120
ctctccatcc tcgggcattc ttcccaaatt tatataccag tcttcgtcca tccacacgct      180
ccagaatttc tcttttgtag taatatctca tagctcggct gagcttttca taggtcatgc      240
tgctgttgtt cttcttttta ccccatagct gagccactgc ctctgatttc aagaacctga      300
agacgccctc agatcggtct tcccatttta ttaatcctgg gttcttgtct gggttcaaga      360
ggatgtcgcg gatgaattcc cataagtgag tccctctcgg gttgtgcttt ttggtgtggc      420
```

```
acttggcagg ggggtcttgc tccttttttca tatcaggtga ctctgcaaca ggaaggtgac      480
tggtggttgt catggagatc tgagcccggc agaaagtttt gctgtccaac aaatctactg      540
tgctaccata gttggtgtca tataaatagt tctngtcttt ccaggtgttc atgatggaag      600
gctcagtttg ttcagtcttg acaatgacat tgtgtgtgga ctggaacagg tcactactgc      660
actggccgtt ccacttcaga tgctgcaagt tgctgtagag gagntgcccc gccgtccctg      720
ccgcccgggt gaactcctgc aaactcatgc tgcaaaggtg ctcgccgttg atgtcgaact      780
cntggaaagg gatacaattg gcatccagct ggttggtgtc caggaggtga tggagccact      840
cccacacctg gt                                                          852
```

```
        <210> 45
        <211> 234
        <212> DNA
        <213> Homo sapien


        <400> 45
acaacagacc cttgctcgct aacgacctca tgctcatcaa gttggacgaa tccgtgtccg       60
agtctgacac catccggagc atcagcattg cttcgcagtg ccctaccgcg gggaactctt      120
gcctcgtttc tggctggggt ctgctggcga acggcagaat gcctaccgtg ctgcagtgcg      180
tgaacgtgtc ggtggtgtct gaggaggtct gcagtaagct ctatgacccg ctgt            234


        <210> 46
        <211> 590
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(590)
        <223> n = A,T,C or G


        <400> 46
acttttatt taaatgttta taaggcagat ctatgagaat gatagaaaac atggtgtgta        60
atttgatagc aatattttgg agattacaga gttttagtaa ttaccaatta cacagttaaa      120
aagaagataa tatattccaa gcanatacaa aatatctaat gaaagatcaa ggcaggaaaa      180
tgantataac taattgacaa tggaaaatca attttaatgt gaattgcaca ttatccttta      240
aaagctttca aaanaaanaa ttattgcagt ctanttaatt caaacagtgt taaatggtat      300
caggataaan aactgaaggg canaaagaat taattttcac ttcatgtaac ncacccanat      360
ttacaatggc ttaaatgcan ggaaaaagca gtggaagtag ggaagtantc aaggtctttc      420
tggtctctaa tctgccttac tctttggggtg tggctttgat cctctggaga cagctgccag      480
ggctcctgtt atatccacaa tcccagcagc aagatgaagg gatgaaaaag gacacatgct      540
gccttccttt gaggagactt catctcactg gccaacactc agtcacatgt                  590


        <210> 47
        <211> 774
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G


        <400> 47
acaagggggc ataatgaagg agtgggggana gattttaaag aaggaaaaaa aacgaggccc       60
tgaacagaat tttcctgnac aacggggctt caaaataatt ttcttgggga ggttcaagac      120
```

```
gcttcactgc ttgaaactta aatggatgtg ggacanaatt ttctgtaatg accctgaggg      180
cattacagac gggactctgg gaggaaggat aaacagaaag gggacaaagg ctaatcccaa      240
aacatcaaag aaaggaaggt ggcgtcatac ctcccagcct acacagttct ccagggctct      300
cctcatccct ggaggacgac agtggaggaa caactgacca tgtccccagg ctcctgtgtg      360
ctggctcctg gtcttcagcc cccagctctg gaagcccacc ctctgctgat cctgcgtggc      420
ccacactcct tgaacacaca tccccaggtt atattcctgg acatggctga acctcctatt      480
cctacttccg agatgccttg ctccctgcag cctgtcaaaa tcccactcac cctccaaacc      540
acggcatggg aagcctttct gacttgcctg attactccag catcttggaa caatccctga      600
ttccccactc cttagaggca agatagggtg gttaagagta gggctggacc acttggagcc      660
aggctgctgg cttcaaattn tggctcattt acgagctatg ggaccttggg caagtnatct      720
tcacttctat gggcntcatt ttgttctacc tgcaaaatgg gggataataa tagt           774
```

```
        <210> 48
        <211> 124
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(124)
        <223> n = A,T,C or G


        <400> 48
canaaattga aattttataa aaaggcattt ttctcttata tccataaaat gatataattt      ;60
ttgcaantat anaaatgtgt cataaattat aatgttcctt aattacagct caacgcaact.     120
tggt                                                                   124


        <210> 49
        <211> 147
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(147)
        <223> n = A,T,C or G


        <400> 49
gccgatgcta ctattttatt gcaggaggtg ggggtgtttt tattattctc tcaacagctt       60
tgtggctaca ggtggtgtct gactgcatna aaaanttttt tacgggtgat tgcaaaaatt      120
ttagggcacc catatcccaa gcantgt                                         147


        <210> 50
        <211> 107
        <212> DNA
        <213> Homo sapien


        <400> 50
acattaaatt aataaaagga ctgttggggt tctgctaaaa cacatggctt gatatattgc       60
atggtttgag gttaggagga gttaggcata tgttttggga gaggggt                   107


        <210> 51
        <211> 204
        <212> DNA
        <213> Homo sapien
```

<400> 51

```
gtcctaggaa gtctagggga cacacgactc tggggtcacg gggccgacac acttgcacgg       60
cgggaaggaa aggcagagaa gtgacaccgt caggggggaaa tgacagaaag gaaaatcaag      120
gccttgcaag gtcagaaagg ggactcaggg cttccaccac agccctgccc cacttggcca      180
cctcccttt  gggaccagca atgt                                            204
```

<210> 52
<211> 491
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 52

```
acaaagataa catttatctt ataacaaaaa tttgatagtt ttaaaggtta gtattgtgta       60
gggtattttc caaaagacta aagagataac tcaggtaaaa agttagaaat gtataaaaca      120
ccatcagaca ggtttttaaa aaacaacata ttacaaaatt agacaatcat ccttaaaaaa      180
aaaacttctt gtatcaattt cttttgttca aaatgactga cttaantatt tttaaatatt      240
tcanaaacac ttcctcaaaa attttcaana tggtagcttt canatgtncc ctcagtccca      300
atgttgctca gataaataaa tctcgtgaga acttaccacc caccacaagc tttctggggc      360
atgcaacagt gtcttttctt tncttttttct ttttttttt ttacaggcac agaaactcat      420
caattttatt tggataacaa agggtctcca aattatattg aaaaataaat ccaagttaat      480
atcactcttg t                                                          491
```

<210> 53
<211> 484
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 53

```
acataattta gcagggctaa ttaccataag atgctattta ttaanaggtn tatgatctga       60
gtattaacag ttgctgaagt ttggtatttt tatgcagcat tttctttttg ctttgataac      120
actacagaac ccttaaggac actgaaaatt agtaagtaaa gttcagaaac attagctgct      180
caatcaaatc tctacataac actatagtaa ttaaaacgtt aaaaaaaagt gttgaaatct      240
gcactagtat anaccgctcc tgtcaggata anactgcttt ggaacagaaa gggaaaaanc      300
agctttgant ttctttgtgc tgatangagg aaaggctgaa ttaccttgtt gcctctccct      360
aatgattggc aggtcnggta aatnccaaaa catattccaa ctcaacactt cttttccncg      420
tancttgant ctgtgtattc caggancagg cggatggaat gggccagccc ncggatgttc      480
cant                                                                  484
```

<210> 54
<211> 151
<212> DNA
<213> Homo sapien

<400> 54

```
actaaacctc gtgcttgtga actccataca gaaaacggtg ccatccctga acacggctgg        60
ccactgggta tactgctgac aaccgcaaca acaaaaacac aaatccttgg cactggctag       120
tctatgtcct ctcaagtgcc tttttgtttg t.                                     151
```

        <210> 55
        <211> 91
        <212> DNA
        <213> Homo sapien

        <400> 55
```
acctggcttg tctccgggtg gttcccggcg ccccccacgg tccccagaac ggacactttc        60
gccctccagt ggatactcga gccaaagtgg t                                       91
```

        <210> 56
        <211> 133
        <212> DNA
        <213> Homo sapien

        <400> 56
```
ggcggatgtg cgttggttat atacaaatat gtcattttat gtaagggact tgagtatact        60
tggatttttg gtatctgtgg gttgggggga cggtccagga accaataccc catggatacc       120
aagggacaac tgt                                                          133
```

        <210> 57
        <211> 147
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(147)
        <223> n = A,T,C or G

        <400> 57
```
actctggaga acctgagccg ctgctccgcc tctgggatga ggtgatgcan gcngtggcgc        60
gactgggagc tgagcccttc cctttgcgcc tgcctcagag gattgttgcc gacntgcana       120
tctcantggg ctggatncat gcagggt                                           147
```

        <210> 58
        <211> 198
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(198)
        <223> n = A,T,C or G

        <400> 58
```
acagggatat aggtttnaag ttattgtnat tgtaaaatac attgaatttt ctgtatactc        60
tgattacata catttatcct ttaaaaaaga tgtaaatctt aatttttatg ccatctatta       120
atttaccaat gagttacctt gtaaatgaga agtcatgata gcactgaatt ttaactagtt       180
ttgacttcta agtttggt                                                     198
```

        <210> 59

```
<211> 330
<212> DNA
<213> Homo sapien

<400> 59
acaacaaatg ggttgtgagg aagtcttatc agcaaaactg gtgatggcta ctgaaaagat      60
ccattgaaaa ttatcattaa tgattttaaa tgacaagtta tcaaaaactc actcaatttt     120
cacctgtgct agcttgctaa aatgggagtt aactctagag caaatatagt atcttctgaa     180
tacagtcaat aaatgacaaa gccagggcct acaggtggtt tccagacttt ccagacccag     240
cagaaggaat ctattttatc acatggatct ccgtctgtgc tcaaaatacc taatgatatt     300
tttcgtcttt attggacttc tttgaagagt                                      330

        <210> 60
        <211> 175
        <212> DNA
        <213> Homo sapien

        <400> 60
accgtgggtg ccttctacat tcctgacggc tccttcacca acatctggtt ctacttcggc      60
gtcgtgggct ccttcctctt catcctcatc cagctggtgc tgctcatcga ctttgcgcac     120
tcctggaacc agcggtggct gggcaaggcc gaggagtgcg attcccgtgc ctggt          175

        <210> 61
        <211> 154
        <212> DNA
        <213> Homo sapien

        <400> 61
accccacttt tcctcctgtg agcagtctgg acttctcact gctacatgat gagggtgagt      60
ggttgttgct cttcaacagt atcctcccct ttccggatct gctgagccgg acagcagtgc     120
tggactgcac agccccgggg ctccacattg ctgt                                 154

        <210> 62
        <211> 30
        <212> DNA
        <213> Homo sapien

        <400> 62
cgctcgagcc ctatagtgag tcgtattaga                                       30

        <210> 63
        <211> 89
        <212> DNA
        <213> Homo sapien

        <400> 63
acaagtcatt tcagcaccct ttgctcttca aaactgacca tcttttatat ttaatgcttc      60
ctgtatgaat aaaaatggtt atgtcaagt                                        89

        <210> 64
        <211> 97
        <212> DNA
        <213> Homo sapien

        <400> 64
```

```
accggagtaa ctgagtcggg acgctgaatc tgaatccacc aataaataaa ggttctgcag       60
aatcagtgca tccaggattg gtccttggat ctggggt                                97


        <210> 65
        <211> 377
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(377)
        <223> n = A,T,C or G

        <400> 65
acaacaanaa ntcccttctt taggccactg atggaaacct ggaaccccct tttgatggca       60
gcatggcgtc ctaggccttg acacagcggc tggggtttgg gctntcccaa accgcacacc      120
ccaaccctgg tctacccaca nttctggcta tgggctgtct ctgccactga acatcagggt      180
tcggtcataa natgaaatcc caanggggac agaggtcagt agaggaagct caatgagaaa      240
ggtgctgttt gctcagccag aaaacagctg cctggcattc gccgctgaac tatgaacccg      300
tgggggtgaa ctaccccan gaggaatcat gcctgggcga tgcaanggtg ccaacaggag      360
gggcgggagg agcatgt                                                     377


        <210> 66
        <211> 305
        <212> DNA
        <213> Homo sapien

        <400> 66
acgcctttcc ctcagaattc agggaagaga ctgtcgcctg ccttcctccg ttgttgcgtg       60
agaacccgtg tgccccttcc caccatatcc accctcgctc catctttgaa ctcaaacacg      120
aggaactaac tgcaccctgg tcctctcccc agtccccagt tcaccctcca tccctcacct      180
tcctccactc taagggatat caacactgcc cagcacaggg gccctgaatt tatgtggttt      240
ttatatattt tttaataaga tgcactttat gtcatttttt aataaagtct gaagaattac      300
tgttt                                                                  305


        <210> 67
        <211> 385
        <212> DNA
        <213> Homo sapien

        <400> 67
actacacaca ctccacttgc ccttgtgaga cactttgtcc cagcacttta ggaatgctga       60
ggtcggacca gccacatctc atgtgcaaga ttgcccagca gacatcaggt ctgagagttc      120
cccttttaaa aaaggggact tgcttaaaaa agaagtctag ccacgattgt gtagagcagc      180
tgtgctgtgc tggagattca cttttgagag agttctcctc tgagacctga tctttagagg      240
ctgggcagtc ttgcacatga gatggggctg gtctgatctc agcactcctt agtctgcttg      300
cctctcccag ggccccagcc tggccacacc tgcttacagg gcactctcag atgcccatac      360
catagtttct gtgctagtgg accgt                                            385


        <210> 68
        <211> 73
        <212> DNA
        <213> Homo sapien

        <400> 68
```

```
acttaaccag atatattttt accccagatg gggatattct ttgtaaaaaa tgaaaataaa     60
gttttttttaa tgg                                                       73
```

```
        <210> 69
        <211> 536
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(536)
        <223> n = A,T,C or G

        <400> 69
actagtccag tgtggtggaa ttccattgtg ttgggggctc tcaccctcct ctcctgcagc     60
tccagctttg tgctctgcct ctgaggagac catggcccag catctgagta ccctgctgct    120
cctgctggcc accctagctg tggccctggc ctggagcccc aaggaggagg ataggataat    180
cccgggtggc atctataacg cagacctcaa tgatgagtgg gtacagcgtg cccttcactt    240
cgccatcagc gagtataaca aggccaccaa agatgactac tacagacgtc cgctgcgggt    300
actaagagcc aggcaacaga ccgttggggg ggtgaattac ttcttcgacg tagaggtggg    360
ccgaaccata tgtaccaagt cccagcccaa cttggacacc tgtgccttcc atgaacagcc    420
agaactgcag aagaaacagt tgtgctcttt cgagatctac gaagttccct ggggagaaca    480
gaangtccct gggtgaaatc caggtgtcaa gaaatcctan ggatctgttg ccaggc        536
```

```
        <210> 70
        <211> 477
        <212> DNA
        <213> Homo sapien
        <400> 70
atgacccta acaggggccc tctcagccct cctaatgacc tccggcctag ccatgtgatt       60
tcacttccac tccataacgc tcctcatact aggcctacta accaacacac taaccatata     120
ccaatgatgg cgcgatgtaa cacgagaaag cacataccaa ggccaccaca caccacctgt     180
ccaaaaaggc cttcgatacg ggataatcct atttattacc tcagaagttt ttttcttcgc     240
agggattttt ctgagccttt taccactcca gcctagcccc tacccccaa ctaggagggc      300
actggccccc aacaggcatc accccgctaa atcccctaga agtcccactc ctaaacacat     360
ccgtattact cgcatcagga gtatcaatca cctgagctca ccatagtcta atagaaaaca     420
accgaaacca aattattcaa agcactgctt attacaattt tactgggtct ctatttt        477
```

```
        <210> 71
        <211> 533
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(533)
        <223> n = A,T,C or G

        <400> 71
agagctatag gtacagtgtg atctcagctt tgcaaacaca ttttctacat agatagtact      60
aggtattaat agatatgtaa agaaagaaat cacaccatta ataatggtaa gattggttta     120
tgtgatttta gtggtatttt tggcaccctt atatatgttt ccaaacttt cagcagtgat      180
attatttcca taacttaaaa agtgagtttg aaaaagaaaa tctccagcaa gcatctcatt     240
taaataaagg tttgtcatct ttaaaaatac agcaatatgt gactttttaa aaaagctgtc     300
aaataggtgt gaccctacta ataattatta gaaatacatt taaaaacatc gagtacctca     360
```

```
agtcagtttg ccttgaaaaa tatcaaatat aactcttaga gaaatgtaca taaaagaatg      420
cttcgtaatt ttggagtang aggttccctc ctcaattttg tatttttaaa aagtacatgg      480
taaaaaaaaa aattcacaac agtatataag gctgtaaaat gaagaattct gcc             533
```

```
<210> 72
<211> 511
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

<400> 72
tattacggaa aaacacacca cataattcaa ctancaaaga anactgcttc agggcgtgta       60
aaatgaaagg cttccaggca gttatctgat taaagaacac taaaagaggg acaaggctaa      120
aagccgcagg atgtctacac tatancaggc gctatttggg ttggctggag gagctgtgga      180
aaacatggan agattggtgc tgganatcgc cgtggctatt cctcattgtt attacanagt      240
gaggttctct gtgtgcccac tggtttgaaa accgttctnc aataatgata gaatagtaca      300
cacatgagaa ctgaaatggc ccaaacccag aaagaaagcc caactagatc ctcagaanac      360
gcttctaggg acaataaccg atgaagaaaa gatggcctcc ttgtgccccc gtctgttatg      420
atttctctcc attgcagcna naaacccgtt cttctaagca aacncaggtg atgatggcna      480
aaatacaccc cctcttgaag naccnggagg a                                     511
```

```
<210> 73
<211> 499
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 73
cagtgccagc actggtgcca gtaccagtac caataacagt gccagtgcca gtgccagcac       60
cagtggtggc ttcagtgctg gtgccagcct gaccgccact ctcacatttg ggctcttcgc      120
tggccttggt ggagctggtg ccagcaccag tggcagctct ggtgcctgtg gtttctccta      180
caagtgagat tttagatatt gttaatcctg ccagtctttc tcttcaagcc agggtgcatc      240
ctcagaaacc tactcaacac agcactctag gcagccacta tcaatcaatt gaagttgaca      300
ctctgcatta aatctatttg ccatttctga aaaaaaaaaa aaaaaagggg cggccgctcg      360
antctagagg gcccgtttaa acccgctgat cagcctcgac tgtgccttct anttgccagc      420
catctgttgt ttgcccctcc cccgntgcct tccttgaccc tggaaagtgc cactcccact      480
gtcctttcct aantaaaat                                                   499
```

```
<210> 74
<211> 537
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G
```

```
<400> 74
tttcatagga gaacacactg aggagatact tgaagaattt ggattcagcc gcgaagagat        60
ttatcagctt aactcagata aaatcattga aagtaataag gtaaaagcta gtctctaact       120
tccaggccca cggctcaagt gaatttgaat actgcattta cagtgtagag taacacataa       180
cattgtatgc atggaaacat ggaggaacag tattacagtg tcctaccact ctaatcaaga       240
aaagaattac agactctgat tctacagtga tgattgaatt ctaaaaatgg taatcattag       300
ggcttttgat ttataanact ttgggtactt atactaaatt atggtagtta tactgccttc       360
cagtttgctt gatatatttg ttgatattaa gattcttgac ttatattttg aatgggttct       420
actgaaaaan gaatgatata ttcttgaaga catcgatata catttattta cactcttgat       480
tctacaatgt agaaaatgaa ggaaatgccc caaattgtat ggtgataaaa gtcccgt         537
```

```
<210> 75
<211> 467
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G
```

```
<400> 75
caaanacaat tgttcaaaag atgcaaatga tacactactg ctgcagctca caaacacctc        60
tgcatattac acgtacctcc tcctgctcct caagtagtgt ggtctatttt gccatcatca       120
cctgctgtct gcttagaaga acggctttct gctgcaangg agagaaatca taacagacgg       180
tggcacaagg aggccatctt ttcctcatcg gttattgtcc ctagaagcgt cttctgagga       240
tctagttggg ctttctttct gggtttgggc catttcantt ctcatgtgtg tactattcta       300
tcattattgt ataacggttt tcaaaccngt gggcacncag agaacctcac tctgtaataa       360
caatgaggaa tagccacggt gatctccagc accaaatctc tccatgtttnt tccagagctc       420
ctccagccaa cccaaatagc cgctgctatn gtgtagaaca tccctgn                    467
```

```
<210> 76
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G
```

```
<400> 76
aagctgacag cattcgggcc gagatgtctc gctccgtggc cttagctgtg ctcgcgctac        60
tctctctttc tggcctggag gctatccagc gtactccaaa gattcaggtt tactcacgtc       120
atccagcaga gaatggaaag tcaaatttcc tgaattgcta tgtgtctggg tttcatccat       180
ccgacattga agttgactta ctgaagaatg gagagagaat tgaaaaagtg gagcattcag       240
acttgtcttt cagcaaggac tggtctttct atctcttgta ctacactgaa ttcacccccca       300
ctgaaaaaga tgagtatgcc tgccgtgtga accatgtgac tttgtcacag cccaagatng       360
ttnagtggga tcganacatg taagcagcan catgggaggt                            400
```

```
<210> 77
<211> 248
<212> DNA
<213> Homo sapien
```

<400> 77

```
ctggagtgcc ttggtgtttc aagcccctgc aggaagcaga atgcaccttc tgaggcacct       60
ccagctgccc cggcggggga tgcgaggctc ggagcaccct tgcccggctg tgattgctgc      120
caggcactgt tcatctcagc ttttctgtcc ctttgctccc ggcaagcgct tctgctgaaa      180
gttcatatct ggagcctgat gtcttaacga ataaaggtcc catgctccac ccgaaaaaaa      240
aaaaaaaa                                                                248
```

<210> 78
<211> 201
<212> DNA
<213> Homo sapien

<400> 78

```
actagtccag tgtggtggaa ttccattgtg ttgggcccaa cacaatggct acctttaaca       60
tcacccagac cccgccctgc ccgtgcccca cgctgctgct aacgacagta tgatgcttac      120
tctgctactc ggaaactatt tttatgtaat taatgtatgc tttcttgttt ataaatgcct      180
gatttaaaaa aaaaaaaaaa a                                                 201
```

<210> 79
<211> 552
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 79

```
tccttttgtt aggtttttga dacaaccta gacctaaact gtgtcacaga cttctgaatg        60
tttaggcagt gctagtaatt tcctcgtaat gattctgtta ttactttcct attctttatt      120
cctctttctt ctgaagatta atgaagttga aaattgaggt ggataaatac aaaaaggtag      180
tgtgatagta taagtatcta agtgcagatg aaagtgtgtt atatatatcc attcaaaatt      240
atgcaagtta gtaattactc agggttaact aaattacttt aatatgctgt tgaacctact      300
ctgttccttg gctagaaaaa attataaaca ggactttgtt agtttgggaa gccaaattga      360
taatattcta tgttctaaaa gttgggctat acataaanta tnaagaaata tggaatttta      420
ttcccaggaa tatggggttc atttatgaat antacccggg anagaagttt tgantnaaac      480
cngttttggt taatacgtta atatgtcctn aatnaacaag gcntgactta tttccaaaaa      540
aaaaaaaaaa aa                                                           552
```

<210> 80
<211> 476
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 80

```
acagggattt gagatgctaa ggccccagag atcgtttgat ccaaccctct tattttcaga       60
ggggaaaatg gggcctagaa gttacagagc atctagctgg tgcgctggca cccctggcct      120
cacacagact cccgagtagc tgggactaca ggcacacagt cactgaagca ggccctgttt      180
```

```
gcaattcacg ttgccacctc caacttaaac attcttcata tgtgatgtcc ttagtcacta      240
aggttaaact ttcccaccca gaaaaggcaa cttagataaa atcttagagt actttcatac      300
tcttctaagt cctcttccag cctcactttg agtcctcctt gggggttgat aggaantntc      360
tcttggcttt ctcaataaaa tctctatcca tctcatgttt aatttggtac gcntaaaaat      420
gctgaaaaaa ttaaaatgtt ctggtttcnc tttaaaaaaa aaaaaaaaaa aaaaaa        476
```

```
<210> 81
<211> 232
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G


<400> 81
ttttttttg tatgccntcn ctgtggngtt attgttgctg ccaccctgga ggagcccagt       60
ttcttctgta tctttctttt ctggggggatc ttcctggctc tgcccctcca ttcccagcct      120
ctcatcccca tcttgcactt ttgctagggt tggaggcgct ttcctggtag cccctcagag      180
actcagtcag cgggaataag tcctaggggt gggggtgtgtg gcaagccggc ct            232
```

```
<210> 82
<211> 383
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G


<400> 82
aggcgggagc agaagctaaa gccaaagccc aagaagagtg gcagtgccag cactggtgcc       60
agtaccagta ccaataacat gccagtgcca gtgccagcac cagtggtggc ttcagtgctg      120
gtgccagcct gaccgccact ctcacatttg ggctcttcgc tggccttggt ggagctggtg      180
ccagcaccag tggcagctct ggtgcctgtg gtttctccta caagtgagat tttagatatt      240
gttaatcctg ccagtctttc tcttcaagcc agggtgcatc ctcagaaacc tactcaacac      300
agcactctng gcagccacta tcaatcaatt gaagttgaca ctctgcatta aatctatttg      360
ccatttcaaa aaaaaaaaa aaa                                           383
```

```
<210> 83
<211> 494
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G


<400> 83
accgaattgg gaccgctggc ttataagcga tcatgtcctc cagtattacc tcaacgagca       60
gggagatcga gtctatacgc tgaagaaatt tgacccgatg ggacaacaga cctgctcagc      120
ccatcctgct cggttctccc cagatgacaa atactctcga caccgaatca ccatcaagaa      180
```

```
acgcttcaag gtgctcatga cccagcaacc gcgccctgtc ctctgagggt ccttaaactg      240
atgtctttc  tgccacctgt tacccctcgg agactccgta accaaactct tcggactgtg      300
agccctgatg cctttttgcc agccatactc tttggcntcc agtctctcgt ggcgattgat      360
tatgcttgtg tgaggcaatc atggtggcat cacccatnaa gggaacacat ttganttttt      420
tttcncatat tttaaattac naccagaata nttcagaata aatgaattga aaaactctta      480
aaaaaaaaaa aaaa                                                        494
```

```
        <210> 84
        <211> 380
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(380)
        <223> n = A,T,C or G

        <400> 84
gctggtagcc tatggcgtgg ccacggangg gctcctgagg cacgggacag tgacttccca       60
agtatcctgc gccgcgtctt ctaccgtccc tacctgcaga tcttcgggca gattccccag      120
gaggacatgg acgtggccct catggagcac agcaactgct cgtcggagcc cggcttctgg      180
gcacaccctc ctggggccca ggcgggcacc tgcgtctccc agtatgccaa ctggctggtg      240
gtgctgctcc tcgtcatctt cctgctcgtg gccaacatcc tgctggtcac ttgctcattg      300
ccatgttcag ttacacattc ggcaaagtac agggcaacag cnatctctac tgggaaggcc      360
agcgttnccg cctcatccgg                                                  380
```

```
        <210> 85
        <211> 481
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(481)
        <223> n = A,T,C or G

        <400> 85
gagttagctc ctccacaacc ttgatgaggt cgtctgcagt ggcctctcgc ttcataccgc       60
tnccatcgtc atactgtagg tttgccacca cctcctgcat cttggggcgg ctaatatcca      120
ggaaactctc aatcaagtca ccgtcnatna aacctgtggc tggttctgtc ttccgctcgg      180
tgtgaaagga tctccagaag gagtgctcga tcttccccac acttttgatg actttattga      240
gtcgattctg catgtccagc aggaggttgt accagctctc tgacagtgag gtcaccagcc      300
ctatcatgcc nttgaacgtg ccgaagaaca ccgagccttg tgtggggggt gnagtctcac      360
ccagattctg cattaccaga nagccgtggc aaaaganatt gacaactcgc ccaggnngaa      420
aaagaacacc tcctggaagt gctngccgct cctcgtccnt ggtggnngc gcntncctt       480
t                                                                      481
```

```
        <210> 86
        <211> 472
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(472)
```

```
<223> n = A,T,C or G

<400> 86
aacatcttcc tgtataatgc tgtgtaatat cgatccgatn ttgtctgctg agaattcatt      60
acttggaaaa gcaacttnaa gcctggacac tggtattaaa attcacaata tgcaacactt     120
taaacagtgt gtcaatctgc tcccttactt tgtcatcacc agtctgggaa taagggtatg     180
ccctattcac acctgttaaa agggcgctaa gcatttttga ttcaacatct ttttttttga     240
cacaagtccg aaaaaagcaa aagtaaacag ttnttaattt gttagccaat tcactttctt     300
catgggacag agccatttga tttaaaaagc aaattgcata atattgagct ttgggagctg     360
atatntgagc ggaagantag cctttctact tcaccagaca caactccttt catattggga     420
tgttnacnaa agttatgtct cttacagatg ggatgctttt gtggcaattc tg             472
```

```
<210> 87
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 87
agaaaccagt atctctnaaa acaacctctc ataccttgtg gacctaattt tgtgtgcgtg      60
tgtgtgtgcg cgcatattat atagacaggc acatcttttt tacttttgta aaagcttatg     120
cctctttggt atctatatct gtgaaagttt taatgatctg ccataatgtc ttggggacct     180
ttgtcttctg tgtaaatggt actagagaaa cacctatnt tatgagtcaa tctagttngt      240
tttattcgac atgaaggaaa tttccagatn acaacactna caaactctcc cttgactagg     300
ggggacaaag aaaagcanaa ctgaacatna gaaacaattn cctggtgaga aattncataa     360
acagaaattg ggtngtatat tgaaananng catcattnaa acgttttttt ttt            413
```

```
<210> 88
<211> 448
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 88
cgcagcgggt cctctctatc tagctccagc ctctcgcctg ccccactccc cgcgtcccgc      60
gtcctagccn accatggccg ggcccctgcg cgccccgctg ctcctgctgg ccatcctggc     120
cgtggccctg gccgtgagcc ccgcggccgg ctccagtccc ggcaagccgc cgcgcctggt     180
gggaggccca tggacccccgc gtggaagaag aaggtgtgcg cgtgcactg gactttgccg      240
tcggcnanta caacaaaccc gcaacnactt ttaccnagcn cgcgctgcag gttgtgccgc     300
cccaancaaa ttgttactng gggtaantaa ttcttggaag ttgaacctgg gccaaacnng     360
tttaccagaa ccnagccaat tngaacaatt nccctccat aacagcccct tttaaaaagg      420
gaancantcc tgntctttc caaatttt                                          448
```

```
<210> 89
<211> 463
<212> DNA
<213> Homo sapien
```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 89
gaattttgtg cactggccac tgtgatggaa ccattgggcc aggatgcttt gagtttatca   60
gtagtgattc tgccaaagtt ggtgttgtaa catgagtatg taaaatgtca aaaaattagc   120
agaggtctag gtctgcatat cagcagacag tttgtccgtg tattttgtag ccttgaagtt   180
ctcagtgaca agttnnttct gatgcgaagt tctnattcca gtgtttagt cctttgcatc   240
tttnatgttn agacttgcct ctntnaaatt gcttttgtnt tctgcaggta ctatctgtgg   300
tttaacaaaa tagaannact tctctgcttn gaanatttga atatcttaca tctnaaaatn   360
aattctctcc ccatannaaa acccangccc ttggganaat ttgaaaaang gntccttcnn   420
aattcnnana anttcagntn tcatacaaca naacngganc ccc   463

<210> 90
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 90
agggattgaa ggtctnttnt actgtcggac tgttcancca ccaactctac aagttgctgt   60
cttccactca ctgtctgtaa gcntnttaac ccagactgta tcttcataaa tagaacaaat   120
tcttcaccag tcacatcttc taggaccttt ttggattcag ttagtataag ctcttccact   180
tcctttgtta agacttcatc tggtaaagtc ttaagttttg tagaaaggaa tttaattgct   240
cgttctctaa caatgtcctc tccttgaagt atttggctga acaacccacc tnaagtccct   300
ttgtgcatcc attttaaata tacttaatag ggcattggtn cactaggtta aattctgcaa   360
gagtcatctg tctgcaaaag ttgcgttagt atatctgcca   400

<210> 91
<211> 480
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

<400> 91
gagctcggat ccaataatct ttgtctgagg gcagcacaca tatncagtgc catggnaact   60
ggtctacccc acatgggagc agcatgccgt agntatataa ggtcattccc tgagtcagac   120
atgcctcttt gactaccgtg tgccagtgct ggtgattctc acacacctcc nnccgctctt   180
tgtggaaaaa ctggcacttg nctggaacta gcaagacatc acttacaaat tcacccacga   240
gacacttgaa aggtgtaaca aagcgactct tgcattgctt tttgtccctc cggcaccagt   300
tgtcaatact aacccgctgg tttgcctcca tcacatttgt gatctgtagc tctggataca   360
tctcctgaca gtactgaaga acttcttctt ttgtttcaaa agcaactctt ggtgcctgtt   420
ngatcaggtt cccatttccc agtccgaatg ttcacatggc atatnttact tcccacaaaa   480

```
<210> 92
<211> 477
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 92
atacagccca natcccacca cgaagatgcg cttgttgact gagaacctga tgcggtcact      60
ggtcccgctg tagccccagc gactctccac ctgctggaag cggttgatgc tgcactcctt     120
cccacgcagg cagcagcggg gccggtcaat gaactccact cgtggcttgg ggttgacggt     180
taantgcagg aagaggctga ccacctcgcg gtccaccagg atgcccgact gtgcgggacc     240
tgcagcgaaa ctcctcgatg gtcatgagcg ggaagcgaat gangcccagg gccttgccca     300
gaaccttccg cctgttctct ggcgtcacct gcagctgctg ccgctacac tcggcctcgg      360
accagcggac aaacggcgtt gaacagccgc acctcacgga tgcccantgt gtcgcgctcc     420
aggaacggcn ccagcgtgtc caggtcaatg tcggtgaanc ctccgcgggt aatggcg        477
```

```
<210> 93
<211> 377
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 93
gaacggctgg accttgcctc gcattgtgct gctggcagga ataccttggc aagcagctcc      60
agtccgagca gccccagacc gctgccgccc gaagctaagc ctgcctctgg ccttcccctc     120
cgcctcaatg cagaaccant agtgggagca ctgtgtttag agttaagagt gaacactgtn     180
tgattttact tgggaatttc ctctgttata tagcttttcc caatgctaat ttccaaacaa     240
caacaacaaa ataacatgtt tgcctgttna gttgtataaa agtangtgat tctgtatnta     300
aagaaaatat tactgttaca tatactgctt gcaanttctg tatttattgg tnctctggaa     360
ataaatatat tattaaa                                                     377
```

```
<210> 94
<211> 495
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 94
ccctttgagg ggttagggtc cagttcccag tggaagaaac aggccaggag aantgcgtgc      60
cgagctgang cagatttccc acagtgaccc cagagccctg ggctatagtc tctgacccct     120
ccaaggaaag accaccttct ggggacatgg gctggagggc aggacctaga ggcaccaagg     180
gaaggcccca ttccggggct gttccccgag gaggaaggga aggggctctg tgtgcccccc     240
acgaggaana ggccctgant cctgggatca nacacccctt cacgtgtatc cccacacaaa     300
```

```
tgcaagctca ccaaggtccc ctctcagtcc cttccctaca ccctgaacgg ncactggccc    360
acacccaccc agancancca cccgccatgg ggaatgtnct caaggaatcg cngggcaacg    420
tggactctng tcccnnaagg gggcagaatc tccaatagan gganngaacc cttgctnana    480
aaaaaaaana aaaaa                                                     495
```

```
        <210> 95
        <211> 472
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(472)
        <223> n = A,T,C or G

        <400> 95
ggttacttgg tttcattgcc accacttagt ggatgtcatt tagaaccatt ttgtctgctc     60
cctctggaag ccttgcgcag agcggacttt gtaattgttg gagaataact gctgaatttt    120
tagctgtttt gagttgattc gcaccactgc accacaactc aatatgaaaa ctatttnact    180
tatttattat cttgtgaaaa gtatacaatg aaaattttgt tcatactgta tttatcaagt    240
atgatgaaaa gcaatagata tatattcttt tattatgttn aattatgatt gccattatta    300
atcggcaaaa tgtggagtgt atgttctttt cacagtaata tatgcctttt gtaacttcac    360
ttggttattt tattgtaaat gaattacaaa attcttaatt taagaaaatg gtangttata    420
tttanttcan taatttcttt ccttgtttac gttaattttg aaaagaatgc at           472
```

```
        <210> 96
        <211> 476
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(476)
        <223> n = A,T,C or G

        <400> 96
ctgaagcatt tcttcaaact tntctacttt tgtcattgat acctgtagta agttgacaat     60
gtggtgaaat ttcaaaatta tatgtaactt ctactagttt tactttctcc cccaagtctt    120
ttttaactca tgatttttac acacacaatc cagaacttat tatatagcct ctaagtcttt    180
attcttcaca gtagatgatg aaagagtcct ccagtgtctt gngcanaatg ttctagntat    240
agctggatac atacngtggg agttctataa actcatacct cagtgggact naaccaaaat    300
tgtgttagtc tcaattccta ccacactgag ggagcctccc aaatcactat attcttatct    360
gcaggtactc ctccagaaaa acngacaggg caggcttgca tgaaaaagtn acatctgcgt    420
tacaaagtct atcttcctca nangtctgtn aaggaacaat ttaatcttct agcttt        476
```

```
        <210> 97
        <211> 479
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(479)
        <223> n = A,T,C or G
```

<400> 97
```
actctttcta atgctgatat gatcttgagt ataagaatgc atatgtcact agaatggata      60
aaataatgct gcaaacttaa tgttcttatg caaaatggaa cgctaatgaa acacagctta     120
caatcgcaaa tcaaaactca caagtgctca tctgttgtag atttagtgta ataagactta     180
gattgtgctc cttcggatat gattgtttct canatcttgg gcaatnttcc ttagtcaaat     240
caggctacta gaattctgtt attggatatn tgagagcatg aaatttttaa naatacactt     300
gtgattatna aattaatcac aaatttcact tatacctgct atcagcagct agaaaaacat     360
ntnnttttta natcaaagta ttttgtgttt ggaantgtnn aaatgaaatc tgaatgtggg     420
ttcnatctta ttttttcccn gacnactant tnctttttta gggnctattc tganccatc     479
```

<210> 98
<211> 461
<212> DNA
<213> Homo sapien

<400> 98
```
agtgacttgt cctccaacaa aaccccttga tcaagtttgt ggcactgaca atcagaccta      60
tgctagttcc tgtcatctat tcgctactaa atgcagactg gaggggacca aaaaggggca     120
tcaactccag ctggattatt ttggagcctg caaatctatt cctacttgta cggactttga     180
agtgattcag tttcctctac ggatgagaga ctggctcaag aatatcctca tgcagcttta     240
tgaagccact ctgaacacgc tggttatcta gatgagaaca gagaaataaa gtcagaaaat     300
ttacctggag aaaagaggct ttggctgggg accatcccat tgaaccttct cttaaggact     360
ttaagaaaaa ctaccacatg ttgtgtatcc tggtgccggc cgtttatgaa ctgaccaccc     420
tttggaataa tcttgacgct cctgaacttg ctcctctgcg a                        461
```

<210> 99
<211> 171
<212> DNA
<213> Homo sapien

<400> 99
```
gtggccgcgc gcaggtgttt cctcgtaccg cagggccccc tcccttcccc aggcgtccct      60
cggcgcctct gcgggcccga ggaggagcgg ctggcgggtg gggggagtgt gacccaccct     120
cggtgagaaa agccttctct agcgatctga gaggcgtgcc ttggggggtac c            171
```

<210> 100
<211> 269
<212> DNA
<213> Homo sapien

<400> 100
```
cggccgcaag tgcaactcca gctggggccg tgcggacgaa gattctgcca gcagttggtc      60
cgactgcgac gacggcggcg gcgacagtcg caggtgcagc gcgggcgcct ggggtcttgc     120
aaggctgagc tgacgccgca gaggtcgtgt cacgtcccac gaccttgacg ccgtcgggga     180
cagccggaac agagcccggt gaagcgggag gcctcgggga gccctcgggg aagggcggcc     240
cgagagatac gcaggtgcag gtggccgcc                                      269
```

<210> 101
<211> 405
<212> DNA
<213> Homo sapien

<400> 101
```
ttttttttttt ttttggaatc tactgcgagc acagcaggtc agcaacaagt ttattttgca      60
gctagcaagg taacagggta gggcatggtt acatgttcag gtcaacttcc tttgtcgtgg     120
```

```
ttgattggtt tgtctttatg ggggcggggt ggggtagggg aaacgaagca aataacatgg    180
agtgggtgca ccctccctgt agaacctggt tacaaagctt ggggcagttc acctggtctg    240
tgaccgtcat tttcttgaca tcaatgttat tagaagtcag gatatctttt agagagtcca    300
ctgttctgga gggagattag ggtttcttgc caaatccaac aaaatccact gaaaaagttg    360
gatgatcagt acgaataccg aggcatattc tcatatcggt ggcca                    405


        <210> 102
        <211> 470
        <212> DNA
        <213> Homo sapien


        <400> 102
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt     60
ggcacttaat ccatttttat ttcaaaatgt ctacaaattt aatcccatta tacggtattt    120
tcaaaatcta aattattcaa attagccaaa tccttaccaa ataataccca aaaatcaaaa    180
atatacttct ttcagcaaac ttgttacata aattaaaaaa atatatacgg ctggtgtttt    240
caaagtacaa ttatcttaac actgcaaaca ttttaaggaa ctaaaataaa aaaaaacact    300
ccgcaaaggt taaagggaac aacaaattct tttacaacac cattataaaa atcatatctc    360
aaatcttagg ggaatatata cttcacacgg gatcttaact tttactcact ttgtttattt    420
ttttaaacca ttgtttgggc ccaacacaat ggaatccccc ctggactagt                470


        <210> 103
        <211> 581
        <212> DNA
        <213> Homo sapien


        <400> 103
tttttttttt tttttttga cccccctctt ataaaaaaca agttaccatt ttattttact     60
tacacatatt tattttataa ttggtattag atattcaaaa ggcagctttt aaaatcaaac    120
taaatggaaa ctgccttaga tacataattc ttaggaatta gcttaaaatc tgcctaaagt    180
gaaaatcttc tctagctctt ttgactgtaa atttttgact cttgtaaaac atccaaattc    240
attttttcttg tctttaaaat tatctaatct ttccattttt tccctattcc aagtcaattt    300
gcttctctag cctcatttcc tagctcttat ctactattag taagtggctt ttttcctaaa    360
agggaaaaca ggaagagaaa tggcacacaa aacaaacatt ttatattcat atttctacct    420
acgttaataa aatagcattt tgtgaagcca gctcaaaaga aggcttagat ccttttatgt    480
ccattttagt cactaaacga tatcaaagtg ccagaatgca aaaggtttgt gaacatttat    540
tcaaaagcta atataagata tttcacatac tcatctttct g                        581


        <210> 104
        <211> 578
        <212> DNA
        <213> Homo sapien


        <400> 104
tttttttttt tttttttttt tttttctctt cttttttttt gaaatgagga tcgagttttt     60
cactctctag atagggcatg aagaaaactc atctttccag ctttaaaata acaatcaaat    120
ctcttatgct atatcatatt ttaagttaaa ctaatgagtc actggcttat cttctcctga    180
aggaaatctg ttcattcttc tcattcatat agttatatca agtactacct tgcatattga    240
gaggtttttc ttctctattt acacatatat ttccatgtga atttgtatca aacctttatt    300
ttcatgcaaa ctagaaaata atgtttcttt tgcataagag aagagaacaa tatagcatta    360
caaaactgct caaattgttt gttaagttat ccattataat tagttggcag gagctaatac    420
aaatcacatt tacgacagca ataataaaac tgaagtacca gttaaatatc caaaataatt    480
aaaggaacat ttttagcctg ggtataatta gctaattcac tttacaagca tttattagaa    540
tgaattcaca tgttattatt cctagcccaa cacaatgg                            578
```

<210> 105
<211> 538
<212> DNA
<213> Homo sapien

<400> 105
```
tttttttttt tttttcagta ataatcagaa caatatttat ttttatattt aaaattcata        60
gaaaagtgcc ttacatttaa taaaagtttg tttctcaaag tgatcagagg aattagatat       120
gtcttgaaca ccaatattaa tttgaggaaa atacaccaaa atacattaag taaattattt       180
aagatcatag agcttgtaag tgaaaagata aaatttgacc tcagaaactc tgagcattaa       240
aaatccacta ttagcaaata aattactatg gacttcttgc tttaattttg tgatgaatat       300
ggggtgtcac tggtaaacca acacattctg aaggatacat tacttagtga tagattctta       360
tgtactttgc taatacgtgg atatgagttg acaagtttct ctttcttcaa tcttttaagg       420
ggcgagaaat gaggaagaaa agaaaaggat tacgcatact gttctttcta tggaaggatt       480
agatatgttt cctttgccaa tattaaaaaa ataataatgt ttactactag tgaaaccc        538
```

<210> 106
<211> 473
<212> DNA
<213> Homo sapien

<400> 106
```
tttttttttt tttttagtc aagtttctat ttttattata attaaagtct tggtcatttc        60
atttattagc tctgcaactt acatatttaa attaaagaaa cgtttttagac aactgtacaa      120
tttataaatg taaggtgcca ttattgagta atatattcct ccaagagtgg atgtgtccct       180
tctcccacca actaatgaac agcaacatta gtttaatttt attagtagat atacactgct       240
gcaaacgcta attctcttct ccatccccat gtgatattgt gtatatgtgt gagttggtag       300
aatgcatcac aatctacaat caacagcaag atgaagctag gctgggcttt cggtgaaaat       360
agactgtgtc tgtctgaatc aaatgatctg acctatcctc ggtggcaaga actcttcgaa      420
ccgcttcctc aaaggcgctg ccacatttgt ggctctttgc acttgtttca aaa             473
```

<210> 107
<211> 1621
<212> DNA
<213> Homo sapien

<400> 107
```
cgccatggca ctgcagggca tctcggtcat ggagctgtcc ggcctggccc cgggcccgtt        60
ctgtgctatg gtcctggctg acttcggggc gcgtgtggta cgcgtggacc ggcccggctc       120
ccgctacgac gtgagccgct tgggccgggg caagcgctcg ctagtgctgg acctgaagca       180
gccgcgggga gccgccgtgc tgcggcgtct gtgcaagcgg tcggatgtgc tgctggagcc       240
cttccgccgc ggtgtcatgg agaaactcca gctgggccca gagattctgc agcgggaaaa       300
tccaaggctt atttatgcca ggctgagtgg atttggccag tcaggaagct tctgccggtt       360
agctggccac gatatcaact atttggcttt gtcaggtgtt ctctcaaaaa ttggcagaag       420
tggtgagaat ccgtatgccc cgctgaatct cctggctgac tttgctggtg gtggccttat       480
gtgtgcactg ggcattataa tggctctttt tgaccgcaca cgcactgaca agggtcaggt       540
cattgatgca aatatggtgg aaggaacagc atatttaagt tcttttctgt ggaaaactca       600
gaaatcgagt ctgtgggaag cacctcgagg acagaacatg ttggatggtg gagcaccttt       660
ctatacgact tacaggacag cagatgggga attcatggct gttggagcaa tagaacccca       720
gttctacgag ctgctgatca aaggacttgg actaaagtct gatgaacttc ccaatcagat       780
gagcatggat gattggccag aaatgaagaa gaagtttgca gatgtatttg caaagaagac       840
gaaggcagag tggtgtcaaa tctttgacgg cacagatgcc tgtgtgactc cggttctgac       900
ttttgaggag gttgttcatc atgatcacaa caaggaacgg ggctcgttta tcaccagtga       960
ggagcaggac gtgagccccc gccctgcacc tctgctgtta aacacccag ccatcccttc       1020
tttcaaaagg gatcctttca taggagaaca cactgaggag atacttgaag aatttggatt      1080
```

```
cagccgcgaa gagatttatc agcttaactc agataaaatc attgaaagta ataaggtaaa   1140
agctagtctc taacttccag gcccacggct caagtgaatt tgaatactgc atttacagtg   1200
tagagtaaca cataacattg tatgcatgga aacatggagg aacagtatta cagtgtccta   1260
ccactctaat caagaaaaga attacagact ctgattctac agtgatgatt gaattctaaa   1320
aatggttatc attagggctt ttgatttata aaactttggg tacttatact aaattatggt   1380
agttattctg ccttccagtt tgcttgatat atttgttgat attaagattc ttgacttata   1440
ttttgaatgg gttctagtga aaaaggaatg atatattctt gaagacatcg atatacattt   1500
atttacactc ttgattctac aatgtagaaa atgaggaaat gccacaaatt gtatggtgat   1560
aaaagtcacg tgaaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa   1620
a                                                                   1621
```

```
        <210> 108
        <211> 382
        <212> PRT
        <213> Homo sapien


        <400> 108
Met Ala Leu Gln Gly Ile Ser Val Met Glu Leu Ser Gly Leu Ala Pro
1               5                   10                  15
Gly Pro Phe Cys Ala Met Val Leu Ala Asp Phe Gly Ala Arg Val Val
            20                  25                  30
Arg Val Asp Arg Pro Gly Ser Arg Tyr Asp Val Ser Arg Leu Gly Arg
        35                  40                  45
Gly Lys Arg Ser Leu Val Leu Asp Leu Lys Gln Pro Arg Gly Ala Ala
        50                  55                  60
Val Leu Arg Arg Leu Cys Lys Arg Ser Asp Val Leu Leu Glu Pro Phe
65                  70                  75                  80
Arg Arg Gly Val Met Glu Lys Leu Gln Leu Gly Pro Glu Ile Leu Gln
                85                  90                  95
Arg Glu Asn Pro Arg Leu Ile Tyr Ala Arg Leu Ser Gly Phe Gly Gln
            100                 105                 110
Ser Gly Ser Phe Cys Arg Leu Ala Gly His Asp Ile Asn Tyr Leu Ala
            115                 120                 125
Leu Ser Gly Val Leu Ser Lys Ile Gly Arg Ser Gly Glu Asn Pro Tyr
        130                 135                 140
Ala Pro Leu Asn Leu Leu Ala Asp Phe Ala Gly Gly Gly Leu Met Cys
145                 150                 155                 160
Ala Leu Gly Ile Ile Met Ala Leu Phe Asp Arg Thr Arg Thr Asp Lys
                165                 170                 175
Gly Gln Val Ile Asp Ala Asn Met Val Glu Gly Thr Ala Tyr Leu Ser
            180                 185                 190
Ser Phe Leu Trp Lys Thr Gln Lys Ser Ser Leu Trp Glu Ala Pro Arg
        195                 200                 205
Gly Gln Asn Met Leu Asp Gly Gly Ala Pro Phe Tyr Thr Thr Tyr Arg
        210                 215                 220
Thr Ala Asp Gly Glu Phe Met Ala Val Gly Ala Ile Glu Pro Gln Phe
225                 230                 235                 240
Tyr Glu Leu Leu Ile Lys Gly Leu Gly Leu Lys Ser Asp Glu Leu Pro
                245                 250                 255
Asn Gln Met Ser Met Asp Asp Trp Pro Glu Met Lys Lys Lys Phe Ala
            260                 265                 270
Asp Val Phe Ala Lys Lys Thr Lys Ala Glu Trp Cys Gln Ile Phe Asp
        275                 280                 285
Gly Thr Asp Ala Cys Val Thr Pro Val Leu Thr Phe Glu Glu Val Val
        290                 295                 300
```

```
His His Asp His Asn Lys Glu Arg Gly Ser Phe Ile Thr Ser Glu Glu
305             310             315             320
Gln Asp Val Ser Pro Arg Pro Ala Pro Leu Leu Leu Asn Thr Pro Ala
            325             330             335
Ile Pro Ser Phe Lys Arg Asp Pro Phe Ile Gly Glu His Thr Glu Glu
        340             345             350
Ile Leu Glu Glu Phe Gly Phe Ser Arg Glu Glu Ile Tyr Gln Leu Asn
    355             360             365
Ser Asp Lys Ile Ile Glu Ser Asn Lys Val Lys Ala Ser Leu
    370             375             380
```

```
<210> 109
<211> 1524
<212> DNA
<213> Homo sapien

<400> 109
ggcacgaggc tgcgccaggg cctgagcgga ggcggggggca gcctcgccag cggggggcccc      60
gggcctggcc atgcctcact gagccagcgc ctgcgcctct acctcgccga cagctggaac     120
cagtgcgacc tagtggctct cacctgcttc ctcctgggcg tgggctgccg gctgaccccg     180
ggtttgtacc acctgggccg cactgtcctc tgcatcgact tcatggtttt cacggtgcgg     240
ctgcttcaca tcttcacggt caacaaacag ctggggccca agatcgtcat cgtgagcaag     300
atgatgaagg acgtgttctt cttcctcttc ttcctcggcg tgtggctggt agcctatggc     360
gtggccacgg aggggctcct gaggccacgg gacagtgact tcccaagtat cctgcgccgc     420
gtcttctacc gtccctacct gcagatcttc gggcagattc cccaggagga catggacgtg     480
gccctcatgg agcacagcaa ctgctcgtcg gagcccggct tctgggcaca ccctcctggg     540
gcccaggcgg gcacctgcgt ctcccagtat gccaactggc tggtggtgct gctcctcgtc     600
atcttcctgc tcgtggccaa catcctgctg gtcaacttgc tcattgccat gttcagttac     660
acattcggca aagtacaggg caacagcgat ctctactgga aggcgcagcg ttaccgcctc     720
atccgggaat tccactctcg gcccgcgctg gccccgccct ttatcgtcat ctcccacttg     780
cgcctcctgc tcaggcaatt gtgcaggcga ccccggagcc cccagccgtc ctccccggcc     840
ctcgagcatt tccgggttta cctttctaag gaagccgagc ggaagctgct aacgtgggaa     900
tcggtgcata aggagaactt tctgctggca cgcgctaggg acaagcggga gagcgactcc     960
gagcgtctga agcgcacgtc ccagaaggtg gacttggcac tgaaacagct gggacacatc    1020
cgcgagtacg aacagcgcct gaaagtgctg gagcgggagg tccagcagtg tagccgcgtc    1080
ctggggtggg tggccgaggc cctgagccgc tctgccttgc tgcccccagg tgggccgcca    1140
cccctgacc tgcctgggtc caaagactga gccctgctgg cggacttcaa ggagaagccc    1200
ccacagggga ttttgctcct agagtaaggc tcatctgggc ctcggccccc gcacctggtg    1260
gccttgtcct tgaggtgagc cccatgtcca tctgggccac tgtcaggacc acctttggga    1320
gtgtcatcct tacaaaccac agcatgcccg gctcctccca gaaccagtcc cagcctggga    1380
ggatcaaggc ctggatcccg ggccgttatc catctggagg ctgcaggtc cttggggtaa    1440
cagggaccac agacccctca ccactcacag attcctcaca ctggggaaat aaagccattt    1500
cagaggaaaa aaaaaaaaaa aaaa                                          1524

<210> 110
<211> 3410
<212> DNA
<213> Homo sapien

<400> 110
gggaaccagc ctgcacgcgc tggctccggg tgacagccgc gcgcctcggc caggatctga      60
gtgatgagac gtgtccccac tgaggtgccc cacagcagca ggtgttgagc atgggctgag     120
aagctggacc ggcaccaaag ggctggcaga aatgggcgcc tggctgattc ctaggcagtt     180
ggcggcagca aggaggagag gccgcagctt ctggagcaga gccgagacga agcagttctg     240
gagtgcctga acggccccct gagccctacc cgcctggccc actatggtcc agaggctgtg     300
```

```
ggtgagccgc ctgctgcggc accggaaagc ccagctcttg ctggtcaacc tgctaacctt    360
tggcctggag gtgtgtttgg ccgcaggcat cacctatgtg ccgcctctgc tgctggaagt    420
gggggtagag gagaagttca tgaccatggt gctgggcatt ggtccagtgc tgggcctggt    480
ctgtgtcccg ctcctaggct cagccagtga ccactggcgt ggacgctatg ccgccgccg    540
gcccttcatc tgggcactgt ccttgggcat cctgctgagc ctctttctca tcccaagggc    600
cggctggcta gcagggctgc tgtgcccgga tcccaggccc ctggagctgg cactgctcat    660
cctgggcgtg gggctgctgg acttctgtgg ccaggtgtgc ttcactccac tggaggccct    720
gctctctgac ctcttccggg acccggacca ctgtcgccag gcctactctg tctatgcctt    780
catgatcagt cttggggggct gcctgggcta cctcctgcct gccattgact gggacaccag    840
tgccctggcc ccctacctgg gcacccagga ggagtgcctc tttggcctgc tcaccctcat    900
cttcctcacc tgcgtagcag ccacactgct ggtggctgag gaggcagcgc tgggccccac    960
cgagccagca gaagggctgt cggcccctc cttgtcgccc cactgctgtc catgccgggc   1020
ccgcttggct ttccggaacc tgggcgccct gcttccccgg ctgcaccagc tgtgctgccg   1080
catgccccgc accctgcgcc ggctcttcgt ggctgagctg tgcagctgga tggcactcat   1140
gaccttcacg ctgtttaca cggatttcgt gggcgagggg ctgtaccagg cgtgcccag    1200
agctgagccg ggcaccgagg cccggagaca ctatgatgaa ggcgttcgga tgggcagcct   1260
ggggctgttc ctgcagtgcg ccatctccct ggtcttctct ctggtcatgg accggctggt   1320
gcagcgattc ggcactcgag cagtctattt ggccagtgtg gcagctttcc ctgtggctgc   1380
cggtgccaca tgcctgtccc acagtgtggc cgtggtgaca gcttcagccg ccctcaccgg   1440
gttcaccttc tcagccctgc agatcctgcc ctacacactg gcctccctct accaccggga   1500
gaagcaggtg ttcctgccca aataccgagg ggacactgga ggtgctagca gtgaggacag   1560
cctgatgacc agcttcctgc caggccctaa gcctggagct cccttcccta atggacacgt   1620
gggtgctgga ggcagtggcc tgctcccacc tccacccgcg ctctgcgggg cctctgcctg   1680
tgatgtctcc gtacgtgtgg tggtgggtga gcccaccgag gccagggtgg ttccgggccg   1740
gggcatctgc ctggacctcg ccatcctgga tagtgccttc ctgctgtccc aggtggcccc   1800
atccctgttt atgggctcca ttgtccagct cagccagtct gtcactgcct atatggtgtc   1860
tgccgcaggc ctgggtctgg tcgccatttta cttgctaca caggtagtat ttgacaagag   1920
cgacttggcc aaatactcag cgtagaaaac ttccagcaca ttggggtgga gggcctgcct   1980
cactgggtcc cagctccccg ctcctgttag ccccatgggg ctgccgggct ggccgccagt   2040
ttctgttgct gccaaagtaa tgtggctctc tgctgccacc ctgtgctgct gaggtgcgta   2100
gctgcacagc tgggggctgg ggcgtccctc tcctctctcc ccagtctcta gggctgcctg   2160
actggaggcc ttccaagggg gtttcagtct ggacttatac agggaggcca gaagggctcc   2220
atgcactgga atgcggggac tctgcaggtg gattacccag gctcagggtt aacagctagc   2280
ctcctagttg agacacacct agagaagggt ttttgggagc tgaataaact cagtcacctg   2340
gtttcccatc tctaagcccc ttaacctgca gcttcgttta atgtagctct tgcatgggag   2400
tttctaggat gaaacactcc tccatgggat ttgaacatat gacttatttg taggggaaga   2460
gtcctgaggg gcaacacaca agaaccaggt cccctcagcc cacagcactg tcttttttgct   2520
gatccacccc cctcttacct tttatcagga tgtggcctgt tggtccttct gttgccatca   2580
cagagacaca ggcatttaaa tatttaactt atttatttaa caaagtagaa gggaatccat   2640
tgctagcttt tctgtgttgg tgtctaatat ttgggtaggg tgggggatcc ccaacaatca   2700
ggtcccctga gatagctggt cattgggctg atcattgcca gaatcttctt ctcctgggt    2760
ctggcccccc aaaatgccta acccaggacc ttggaaattc tactcatccc aaatgataat   2820
tccaaatgct gttacccaag gttagggtgt tgaaggaagg tagagggtgg ggcttcaggt   2880
ctcaacggct tccctaacca cccctcttct cttggcccag cctggttccc cccacttcca   2940
ctcccctcta ctctctctag gactgggctg atgaaggcac tgcccaaaat ttccctacc    3000
cccaactttc ccctaccccc aactttcccc accagctcca caaccctgtt tggagctact   3060
gcaggaccag aagcacaaag tgcggtttcc caagcctttg tccatctcag cccccagagt   3120
atatctgtgc ttggggaatc tcacacagaa actcaggagc accccctgcc tgagctaagg   3180
gaggtcttat ctctcagggg gggtttaagt gccgtttgca ataatgtcgt cttatttatt   3240
tagcggggtg aatattttat actgtaagtg agcaatcaga gtataatgtt tatggtgaca   3300
aaattaaagg ctttcttata tgtttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa    3360
aaaaaaaara aaaaaaaaaa aaaaaaaaaa aaaaaaataa aaaaaaaaaa              3410
```

<212> DNA
<213> Homo sapien

<400> 111
agccaggcgt ccctctgcct gcccactcag tggcaacacc cgggagctgt tttgtccttt   60
gtggagcctc agcagttccc tctttcagaa ctcactgcca agagccctga acaggagcca   120
ccatgcagtg cttcagcttc attaagacca tgatgatcct cttcaatttg ctcatctttc   180
tgtgtggtgc agccctgttg gcagtgggca tctgggtgtc aatcgatggg gcatcctttc   240
tgaagatctt cgggccactg tcgtccagtg ccatgcagtt gtcaacgtg ggctacttcc   300
tcatcgcagc cggcgttgtg gtctttgctc ttggtttcct gggctgctat ggtgctaaga   360
ctgagagcaa gtgtgccctc gtgacgttct tcttcatcct cctcctcatc ttcattgctg   420
aggttgcagc tgctgtggtc gccttggtgt acaccacaat ggctgagcac ttcctgacgt   480
tgctggtagt gcctgccatc aagaaagatt atggttccca ggaagacttc actcaagtgt   540
ggaacaccac catgaaaggg ctcaagtgct gtggcttcac caactatacg gatttttgagg   600
actcacccta cttcaaagag aacagtgcct tcccccatt ctgttgcaat gacaacgtca   660
ccaacacagc caatgaaacc tgcaccaagc aaaaggctca cgaccaaaaa gtagagggtt   720
gcttcaatca gcttttgtat gacatccgaa ctaatgcagt caccgtgggt ggtgtggcag   780
ctggaattgg gggcctcgag ctggctgcca tgattgtgtc catgtatctg tactgcaatc   840
tacaataagt ccacttctgc ctctgccact actgctgcca catgggaact gtgaagaggc   900
accctggcaa gcagcagtga ttggggggagg ggacaggatc taacaatgtc acttgggcca   960
gaatggacct gccctttctg ctccagactt ggggctagat agggaccact ccttttagcg   1020
atgcctgact ttccttccat tggtgggtgg atgggtgggg ggcattccag agcctctaag   1080
gtagccagtt ctgttgccca ttcccccagt ctattaaacc cttgatatgc ccctaggcc   1140
tagtggtgat cccagtgctc tactggggga tgagagaaag gcattttata gcctgggcat   1200
aagtgaaatc agcagagcct ctgggtggat gtgtagaagg cacttcaaaa tgcataaacc   1260
tgttacaatg ttaaaaaaaa aaaaaaaaa   1289

<210> 112
<211> 315
<212> PRT
<213> Homo sapien

<400> 112

Met Val Phe Thr Val Arg Leu Leu His Ile Phe Thr Val Asn Lys Gln
1   5   10   15
Leu Gly Pro Lys Ile Val Ile Val Ser Lys Met Met Lys Asp Val Phe
                20   25   30
Phe Phe Leu Phe Phe Leu Gly Val Trp Leu Val Ala Tyr Gly Val Ala
            35   40   45
Thr Glu Gly Leu Leu Arg Pro Arg Asp Ser Asp Phe Pro Ser Ile Leu
        50   55   60
Arg Arg Val Phe Tyr Arg Pro Tyr Leu Gln Ile Phe Gly Gln Ile Pro
65   70   75   80
Gln Glu Asp Met Asp Val Ala Leu Met Glu His Ser Asn Cys Ser Ser
                85   90   95
Glu Pro Gly Phe Trp Ala His Pro Pro Gly Ala Gln Ala Gly Thr Cys
            100   105   110
Val Ser Gln Tyr Ala Asn Trp Leu Val Val Leu Leu Leu Val Ile Phe
        115   120   125
Leu Leu Val Ala Asn Ile Leu Leu Val Asn Leu Leu Ile Ala Met Phe
        130   135   140
Ser Tyr Thr Phe Gly Lys Val Gln Gly Asn Ser Asp Leu Tyr Trp Lys
145   150   155   160
Ala Gln Arg Tyr Arg Leu Ile Arg Glu Phe His Ser Arg Pro Ala Leu
                165   170   175

```
Ala Pro Pro Phe Ile Val Ile Ser His Leu Arg Leu Leu Leu Arg Gln
        180                 185                 190
Leu Cys Arg Arg Pro Arg Ser Pro Gln Pro Ser Ser Pro Ala Leu Glu
        195                 200                 205
His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys Leu Leu Thr
    210                 215                 220
Trp Glu Ser Val His Lys Glu Asn Phe Leu Leu Ala Arg Ala Arg Asp
225                 230                 235                 240
Lys Arg Glu Ser Asp Ser Glu Arg Leu Lys Arg Thr Ser Gln Lys Val
                245                 250                 255
Asp Leu Ala Leu Lys Gln Leu Gly His Ile Arg Glu Tyr Glu Gln Arg
            260                 265                 270
Leu Lys Val Leu Glu Arg Glu Val Gln Gln Cys Ser Arg Val Leu Gly
        275                 280                 285
Trp Val Ala Glu Ala Leu Ser Arg Ser Ala Leu Leu Pro Pro Gly Gly
    290                 295                 300
Pro Pro Pro Pro Asp Leu Pro Gly Ser Lys Asp
305                 310                 315
```

<210> 113
<211> 553
<212> PRT
<213> Homo sapien

<400> 113

```
Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala
1               5                   10                  15
Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu
            20                  25                  30
Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val
            35                  40                  45
Glu Glu Lys Phe Met Thr Met Val Leu Gly Ile Gly Pro Val Leu Gly
    50                  55                  60
Leu Val Cys Val Pro Leu Leu Gly Ser Ala Ser Asp His Trp Arg Gly
65                  70                  75                  80
Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp Ala Leu Ser Leu Gly Ile
                85                  90                  95
Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala Gly Trp Leu Ala Gly Leu
            100                 105                 110
Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu Ala Leu Leu Ile Leu Gly
        115                 120                 125
Val Gly Leu Leu Asp Phe Cys Gly Gln Val Cys Phe Thr Pro Leu Glu
    130                 135                 140
Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg Gln Ala
145                 150                 155                 160
Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu Gly Gly Cys Leu Gly Tyr
                165                 170                 175
Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu
            180                 185                 190
Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu Leu Thr Leu Ile Phe Leu
        195                 200                 205
Thr Cys Val Ala Ala Thr Leu Leu Val Ala Glu Glu Ala Ala Leu Gly
    210                 215                 220
Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala Pro Ser Leu Ser Pro His
225                 230                 235                 240
```

```
Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe Arg Asn Leu Gly Ala Leu
            245             250             255
Leu Pro Arg Leu His Gln Leu Cys Cys Arg Met Pro Arg Thr Leu Arg
        260             265             270
Arg Leu Phe Val Ala Glu Leu Cys Ser Trp Met Ala Leu Met Thr Phe
        275             280             285
Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu Gly Leu Tyr Gln Gly Val
    290             295             300
Pro Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly
305             310             315             320
Val Arg Met Gly Ser Leu Gly Leu Phe Leu Gln Cys Ala Ile Ser Leu
            325             330             335
Val Phe Ser Leu Val Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg
        340             345             350
Ala Val Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala
        355             360             365
Thr Cys Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu
    370             375             380
Thr Gly Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala
385             390             395             400
Ser Leu Tyr His Arg Glu Lys Gln Val Phe Leu Pro Lys Tyr Arg Gly
            405             410             415
Asp Thr Gly Gly Ala Ser Ser Glu Asp Ser Leu Met Thr Ser Phe Leu
            420             425             430
Pro Gly Pro Lys Pro Gly Ala Pro Phe Pro Asn Gly His Val Gly Ala
        435             440             445
Gly Gly Ser Gly Leu Leu Pro Pro Pro Ala Leu Cys Gly Ala Ser
    450             455             460
Ala Cys Asp Val Ser Val Arg Val Val Val Gly Glu Pro Thr Glu Ala
465             470             475             480
Arg Val Val Pro Gly Arg Gly Ile Cys Leu Asp Leu Ala Ile Leu Asp
            485             490             495
Ser Ala Phe Leu Leu Ser Gln Val Ala Pro Ser Leu Phe Met Gly Ser
        500             505             510
Ile Val Gln Leu Ser Gln Ser Val Thr Ala Tyr Met Val Ser Ala Ala
        515             520             525
Gly Leu Gly Leu Val Ala Ile Tyr Phe Ala Thr Gln Val Val Phe Asp
    530             535             540
Lys Ser Asp Leu Ala Lys Tyr Ser Ala
545             550
```

```
<210> 114
<211> 241
<212> PRT
<213> Homo sapien


<400> 114
Met Gln Cys Phe Ser Phe Ile Lys Thr Met Met Ile Leu Phe Asn Leu
1               5               10              15
Leu Ile Phe Leu Cys Gly Ala Ala Leu Leu Ala Val Gly Ile Trp Val
        20              25              30
Ser Ile Asp Gly Ala Ser Phe Leu Lys Ile Phe Gly Pro Leu Ser Ser
        35              40              45
Ser Ala Met Gln Phe Val Asn Val Gly Tyr Phe Leu Ile Ala Ala Gly
    50              55              60
```

```
Val Val Val Phe Ala Leu Gly Phe Leu Gly Cys Tyr Gly Ala Lys Thr
65              70              75              80
Glu Ser Lys Cys Ala Leu Val Thr Phe Phe Phe Ile Leu Leu Leu Ile
            85              90              95
Phe Ile Ala Glu Val Ala Ala Ala Val Val Ala Leu Val Tyr Thr Thr
            100             105             110
Met Ala Glu His Phe Leu Thr Leu Leu Val Val Pro Ala Ile Lys Lys
        115             120             125
Asp Tyr Gly Ser Gln Glu Asp Phe Thr Gln Val Trp Asn Thr Thr Met
    130             135             140
Lys Gly Leu Lys Cys Cys Gly Phe Thr Asn Tyr Thr Asp Phe Glu Asp
145             150             155             160
Ser Pro Tyr Phe Lys Glu Asn Ser Ala Phe Pro Pro Phe Cys Cys Asn
            165             170             175
Asp Asn Val Thr Asn Thr Ala Asn Glu Thr Cys Thr Lys Gln Lys Ala
            180             185             190
His Asp Gln Lys Val Glu Gly Cys Phe Asn Gln Leu Leu Tyr Asp Ile
        195             200             205
Arg Thr Asn Ala Val Thr Val Gly Gly Val Ala Ala Gly Ile Gly Gly
    210             215             220
Leu Glu Leu Ala Ala Met Ile Val Ser Met Tyr Leu Tyr Cys Asn Leu
225             230             235             240
Gln
```

```
        <210> 115
        <211> 366
        <212> DNA
        <213> Homo sapien

        <400> 115
gctctttctc tcccctcctc tgaatttaat tctttcaact tgcaatttgc aaggattaca    60
catttcactg tgatgtatat tgtgttgcaa aaaaaaaaa gtgtctttgt ttaaaattac   120
ttggtttgtg aatccatctt gcttttttccc cattggaact agtcattaac ccatctctga  180
actggtagaa aaacatctga agagctagtc tatcagcatc tgacaggtga attggatggt   240
tctcagaacc atttcacccca gacagcctgt ttctatcctg tttaataaat tagtttgggt   300
tctctacatg cataacaaac cctgctccaa tctgtcacat aaaagtctgt gacttgaagt    360
ttagtc                                                             366
```

```
        <210> 116
        <211> 282
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(282)
        <223> n = A,T,C or G

        <400> 116
acaaagatga accatttcct atattatagc aaaattaaaa tctacccgta ttctaatatt     60
gagaaatgag atnaaacaca atnttataaa gtctacttag agaagatcaa gtgacctcaa    120
agactttact attttcatat tttaagacac atgatttatc ctattttagt aacctggttc    180
atacgttaaa caaaggataa tgtgaacagc agagaggatt tgttggcaga aaatctatgt    240
tcaatctnga actatctana tcacagacat ttctattcct tt                      282
```

```
<210> 117
<211> 305
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G

<400> 117
acacatgtcg cttcactgcc ttcttagatg cttctggtca acatanagga acagggacca      60
tatttatcct ccctcctgaa acaattgcaa aataanacaa aatatatgaa acaattgcaa     120
aataaggcaa aatatatgaa acaacaggtc tcgagatatt ggaaatcagt caatgaagga     180
tactgatccc tgatcactgt cctaatgcag gatgtgggaa acagatgagg tcacctctgt     240
gactgcccca gcttactgcc tgtagagagt ttctangctg cagttcagac agggagaaat     300
tgggt                                                                 305


<210> 118
<211> 71
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(71)
<223> n = A,T,C or G

<400> 118
accaaggtgt ntgaatctct gacgtgggga tctctgattc ccgcacaatc tgagtggaaa      60
aantcctggg t                                                          71


<210> 119
<211> 212
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 119
actccggttg gtgtcagcag cacgtggcat tgaacatngc aatgtggagc ccaaaccaca      60
gaaaatgggg tgaaattggc caactttcta tnaacttatg ttggcaantt tgccaccaac     120
agtaagctgg cccttctaat aaaagaaaat tgaaaggttt ctcactaanc ggaattaant     180
aatggantca aganactccc aggcctcagc gt                                   212


<210> 120
<211> 90
<212> DNA
<213> Homo sapien

<220>
```

```
<221> misc_feature
<222> (1)...(90)
<223> n = A,T,C or G


<400> 120
actcgttgca natcaggggc cccccagagt caccgttgca ggagtccttc tggtcttgcc        60
ctccgccggc gcagaacatg ctggggtggt                                        90


        <210> 121
        <211> 218
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(218)
        <223> n = A,T,C or G


<400> 121
tgtancgtga anacgacaga nagggttgtc aaaaatggag aanccttgaa gtcattttga        60
gaataagatt tgctaaaaga tttggggcta aaacatggtt attgggagac atttctgaag       120
atatncangt aaaattangga atgaattcat ggttcttttg ggaattcctt tacgatngcc      180
agcatanact tcatgtgggg atancagcta cccttgta                               218


        <210> 122
        <211> 171
        <212> DNA
        <213> Homo sapien


<400> 122
taggggtgta tgcaactgta aggacaaaaa ttgagactca actggcttaa ccaataaagg        60
catttgttag ctcatggaac aggaagtcgg atggtggggc atcttcagtg ctgcatgagt       120
caccacccccg gcggggtcat ctgtgccaca ggtccctgtt gacagtgcgg t               171


        <210> 123
        <211> 76
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(76)
        <223> n = A,T,C or G


<400> 123
tgtagcgtga agacnacaga atggtgtgtg ctgtgctatc caggaacaca tttattatca        60
ttatcaanta ttgtgt                                                       76


        <210> 124
        <211> 131
        <212> DNA
        <213> Homo sapien


        <400> 124
acctttcccc aaggccaatg tcctgtgtgc taactggccg gctgcaggac agctgcaatt       60
```

```
caatgtgctg ggtcatatgg aggggaggag actctaaaat agccaatttt attctcttgg      120
ttaagatttg t                                                          131


        <210> 125
        <211> 432
        <212> DNA
        <213> Homo sapien


        <400> 125
actttatcta ctggctatga aatagatggt ggaaaattgc gttaccaact ataccactgg       60
cttgaaaaag aggtgatagc tcttcagagg acttgtgact tttgctcaga tgctgaagaa      120
ctacagtctg catttggcag aaatgaagat gaatttggat taaatgagga tgctgaagat      180
ttgcctcacc aaacaaaagt gaaacaactg agagaaaatt ttcaggaaaa aagacagtgg      240
ctcttgaagt atcagtcact tttgagaatg tttcttagtt actgcatact tcatggatcc      300
catggtgggg gtcttgcatc tgtaagaatg gaattgattt tgcttttgca agaatctcag      360
caggaaacat cagaaccact attttctagc cctctgtcag agcaaacctc agtgcctctc      420
ctctttgctt gt                                                         432


        <210> 126
        <211> 112
        <212> DNA
        <213> Homo sapien


        <400> 126
acacaacttg aatagtaaaa tagaaactga gctgaaattt ctaattcact ttctaaccat       60
agtaagaatg atatttcccc ccagggatca ccaaatattt ataaaaattt gt             112


        <210> 127
        <211> 54
        <212> DNA
        <213> Homo sapien


        <400> 127
accacgaaac cacaaacaag atggaagcat caatccactt gccaagcaca gcag            54


        <210> 128
        <211> 323
        <212> DNA
        <213> Homo sapien


        <400> 128
acctcattag taattgtttt gttgtttcat ttttttctaa tgtctcccct ctaccagctc       60
acctgagata acagaatgaa aatggaagga cagccagatt tctcctttgc tctctgctca      120
ttctctctga agtctaggtt acccattttg gggacccatt ataggcaata aacacagttc      180
ccaaagcatt tggacagttt cttgttgtgt tttagaatgg ttttcctttt tcttagcctt      240
ttcctgcaaa aggctcactc agtcccttgc ttgctcagtg gactgggctc cccagggcct      300
aggctgcctt cttttccatg tcc                                             323


        <210> 129
        <211> 192
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
```

```
<222> (1)...(192)
<223> n = A,T,C or G


<400> 129
acatacatgt gtgtatattt ttaaatatca cttttgtatc actctgactt tttagcatac      60
tgaaaacaca ctaacataat ttntgtgaac catgatcaga tacaacccaa atcattcatc     120
tagcacattc atctgtgata naaagatagg tgagtttcat ttccttcacg ttggccaatg     180
gataaacaaa gt                                                          192


        <210> 130
        <211> 362
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(362)
        <223> n = A,T,C or G


        <400> 130
ccctttttta tggaatgagt agactgtatg tttgaanatt tanccacaac ctctttgaca     360
tataatgacg caacaaaaag gtgctgttta gtcctatggt tcagtttatg cccctgacaa     120
gtttccattg tgttttgccg atcttctggc taatcgtggt atcctccatg ttattagtaa     180
ttctgtattc cattttgtta acgcctggta gatgtaacct gctangaggc taactttata     240
cttatttaaa agctcttatt ttgtggtcat taaaatggca atttatgtgc agcactttat     300
tgcagcagga agcacgtgtg ggttggttgt aaagctcttt gctaatctta aaaagtaatg     360
gg                                                                     362


        <210> 131
        <211> 332
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(332)
        <223> n = A,T,C or G


        <400> 131
cttttgaaa gatcgtgtcc actcctgtgg acatcttgtt ttaatggagt ttcccatgca       60
gtangactgg tatggttgca gctgtccaga taaaaacatt tgaagagctc caaaatgaga     120
gttctcccag gttcgccctg ctgctccaag tctcagcagc agcctctttt aggaggcatc     180
ttctgaacta gattaaggca gcttgtaaat ctgatgtgat ttggtttatt atccaactaa     240
cttccatctg ttatcactgg agaaagccca gactccccan gacnggtacg gattgtgggc     300
atanaaggat tgggtgaagc tggcgttgtg gt                                   332


        <210> 132
        <211> 322
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(322)
        <223> n = A,T,C or G
```

```
<400> 132
acttttgcca ttttgtatat ataaacaatc ttgggacatt ctcctgaaaa ctaggtgtcc      60
agtggctaag agaactcgat ttcaagcaat tctgaaagga aaaccagcat gacacagaat     120
ctcaaattcc caaacagggg ctctgtggga aaaatgaggg aggacctttg tatctcgggt     180
tttagcaagt taaaatgaan atgacaggaa aggcttattt atcaacaaag agaagagttg     240
ggatgcttct aaaaaaaact ttggtagaga aaataggaat gctnaatcct agggaagcct     300
gtaacaatct acaattggtc ca                                             322
```

```
<210> 133
<211> 278
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G
```

```
<400> 133
acaagccttc acaagtttaa ctaaattggg attaatcttt ctgtanttat ctgcataatt      60
cttgtttttc tttccatctg gctcctgggt tgacaatttg tggaaacaac tctattgcta     120
ctatttaaaa aaaatcacaa atctttccct ttaagctatg ttnaattcaa actattcctg     180
ctattcctgt tttgtcaaag aaattatatt tttcaaaata tgtntatttg tttgatgggt     240
cccacgaaac actaataaaa accacagaga ccagcctg                            278
```

```
<210> 134
<211> 121
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(121)
<223> n = A,T,C or G
```

```
<400> 134
gtttanaaaa cttgtttagc tccatagagg aaagaatgtt aaactttgta ttttaaaaca      60
tgattctctg aggttaaact tggttttcaa atgttatttt tacttgtatt ttgcttttgg     120
t                                                                    121
```

```
<210> 135
<211> 350
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G
```

```
<400> 135
acttanaacc atgcctagca catcagaatc cctcaaagaa catcagtata atcctatacc      60
atancaagtg gtgactggtt aagcgtgcga caaaggtcag ctggcacatt acttgtgtgc     120
aaacttgata cttttgttct aagtaggaac tagtatacag tncctaggan tggtactcca     180
```

```
gggtgccccc caactcctgc agccgctcct ctgtgccagn ccctgnaagg aactttcgct      240
ccacctcaat caagccctgg gccatgctac ctgcaattgg ctgaacaaac gtttgctgag      300
ttcccaagga tgcaaagcct ggtgctcaac tcctggggcg tcaactcagt                 350
```

```
<210> 136
<211> 399
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G


<400> 136
tgtaccgtga agacgacaga agttgcatgg cagggacagg gcagggccga ggccagggtt       60
gctgtgattg tatccgaata ntcctcgtga gaaaagataa tgagatgacg tgagcagcct      120
gcagacttgt gtctgccttc aanaagccag acaggaaggc cctgcctgcc ttggctctga      180
cctggcggcc agccagccag ccacaggtgg gcttcttcct tttgtggtga caacnccaag      240
aaaactgcag aggcccaggg tcaggtgtna gtgggtangt gaccataaaa caccaggtgc      300
tcccaggaac ccgggcaaag gccatcccca cctacagcca gcatgcccac tggcgtgatg      360
ggtgcagang gatgaagcag ccagntgttc tgctgtggt                             399
```

```
<210> 137
<211> 165
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(165)
<223> n = A,T,C or G


<400> 137
actggtgtgg tnggggtga tgctggtggt anaagttgan gtgacttcan gatggtgtgt       60
ggaggaagtg tgtgaacgta gggatgtaga ngttttggcc gtgctaaatg agcttcggga      120
ttggctggtc ccactggtgg tcactgtcat tggtggggtt cctgt                      165
```

```
<210> 138
<211> 338
<212> DNA
<213> Homo sapien


<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G


<400> 138
actcactgga atgccacatt cacaacagaa tcagaggtct gtgaaaacat taatggctcc       60
ttaacttctc cagtaagaat cagggacttg aaatggaaac gttaacagcc acatgcccaa      120
tgctgggcag tctcccatgc cttccacagt gaaagggctt gagaaaaatc acatccaatg      180
tcatgtgttt ccagccacac caaaaggtgc ttggggtgga gggctggggg catananggt      240
cangcctcag gaagcctcaa gttccattca gctttgccac tgtacattcc ccatntttaa      300
aaaaactgat gccttttttt tttttttttg taaaattc                              338
```

```
<210> 139
<211> 382
<212> DNA
<213> Homo sapien

<400> 139
gggaatcttg gtttttggca tctggtttgc ctatagccga ggccactttg acagaacaaa        60
gaaagggact tcgagtaaga aggtgattta cagccagcct agtgcccgaa gtgaaggaga       120
attcaaacag acctcgtcat tcctggtgtg agcctggtcg gctcaccgcc tatcatctgc       180
atttgcctta ctcaggtgct accggactct ggcccctgat gtctgtagtt tcacaggatg       240
ccttatttgt cttctacacc ccacagggcc ccctacttct tcggatgtgt ttttaataat       300
gtcagctatg tgccccatcc tccttcatgc cctccctccc tttcctacca ctgctgagtg       360
gcctggaact tgtttaaagt gt                                                382


<210> 140
<211> 200
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(200)
<223> n = A,T,C or G

<400> 140
accaaanctt ctttctgttg tgttngattt tactataggg gtttngcttn ttctaaanat         60
acttttcatt taacancttt tgttaagtgt caggctgcac tttgctccat anaattattg       120
ttttcacatt tcaacttgta tgtgtttgtc tcttanagca ttggtgaaat cacatatttt       180
atattcagca taaaggagaa                                                   200


<210> 141
<211> 335
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 141
actttatttt caaaacactc atatgttgca aaaaacacat agaaaaataa agtttggtgg        60
gggtgctgac taaacttcaa gtcacagact tttatgtgac agattggagc agggtttgtt       120
atgcatgtag agaacccaaa ctaatttatt aaacaggata gaaacaggct gtctgggtga       180
aatggttctg agaaccatcc aattcacctg tcagatgctg atanactagc tcttcagatg       240
tttttctacc agttcagaga tnggttaatg actanttcca atggggaaaa agcaagatgg       300
attcacaaac caagtaattt taaacaaaga cactt                                  335


<210> 142
<211> 459
<212> DNA
<213> Homo sapien

<220>
```

```
      <221> misc_feature
      <222> (1)...(459)
      <223> n = A,T,C or G


      <400> 142
accaggttaa tattgccaca tatatccttt ccaattgcgg gctaaacaga cgtgtattta      60
gggttgttta aagacaaccc agcttaatat caagagaaat tgtgaccttt catggagtat     120
ctgatggaga aaacactgag ttttgacaaa tcttatttta ttcagatagc agtctgatca     180
cacatggtcc aacaacactc aaataataaa tcaaatatna tcagatgtta aagattggtc     240
ttcaaacatc atagccaatg atgccccgct tgcctataat ctctccgaca taaaaccaca     300
tcaacacctc agtggccacc aaaccattca gcacagcttc cttaactgtg agctgtttga     360
agctaccagt ctgagcacta ttgactatnt ttttcangct ctgaatagct ctagggatct     420
cagcangggt gggaggaacc agctcaacct tggcgtant                           459


      <210> 143
      <211> 140
      <212> DNA
      <213> Homo sapien


      <400> 143
acatttcctt ccaccaagtc aggactcctg gcttctgtgg gagttcttat cacctgaggg      60
aaatccaaac agtctctcct agaaaggaat agtgtcacca accccacgca tctccctgag     120
accatccgac ttccctgtgt                                                 140


      <210> 144
      <211> 164
      <212> DNA
      <213> Homo sapien


      <220>
      <221> misc_feature
      <222> (1)...(164)
      <223> n = A,T,C or G


      <400> 144
acttcagtaa caacatacaa taacaacatt aagtgtatat tgccatcttt gtcattttct      60
atctatacca ctctcccttc tgaaaacaan aatcactanc caatcactta tacaaatttg     120
aggcaattaa tccatatttg ttttcaataa ggaaaaaaag atgt                     164


      <210> 145
      <211> 303
      <212> DNA
      <213> Homo sapien


      <220>
      <221> misc_feature
      <222> (1)...(303)
      <223> n = A,T,C or G


      <400> 145
acgtagacca tccaactttg tatttgtaat ggcaaacatc cagnagcaat tcctaaacaa      60
actggagggt atttataccc aattatccca ttcattaaca tgccctcctc ctcaggctat     120
gcaggacagc tatcataagt cggcccaggc atccagatac taccattgt ataaacttca      180
gtaggggagt ccatccaagt gacaggtcta atcaaaggag gaaatggaac ataagcccag     240
tagtaaaatn ttgcttagct gaaacagcca caaaagactt accgccgtgg tgattaccat     300
```

caa   303

```
        <210> 146
        <211> 327
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(327)
        <223> n = A,T,C or G

        <400> 146
actgcagctc aattagaagt ggtctctgac tttcatcanc ttctccctgg gctccatgac      60
actggcctgg agtgactcat tgctctggtt ggttgagaga gctcctttgc caacaggcct     120
ccaagtcagg gctgggattt gtttcctttc cacattctag caacaatatg ctggccactt     180
cctgaacagg gagggtggga ggagccagca tggaacaagc tgccactttc taaagtagcc     240
agacttgccc ctgggcctgt cacacctact gatgaccttc tgtgcctgca ggatggaatg     300
taggggtgag ctgtgtgact ctatggt                                         327


        <210> 147
        <211> 173
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(173)
        <223> n = A,T,C or G

        <400> 147
acattgtttt tttgagataa agcattgana gagctctcct taacgtgaca caatggaagg      60
actggaacac atacccacat ctttgttctg agggataatt ttctgataaa gtcttgctgt     120
atattcaagc acatatgtta tatattattc agttccatgt ttatagccta gtt           173


        <210> 148
        <211> 477
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(477)
        <223> n = A,T,C or G

        <400> 148
acaaccactt tatctcatcg aatttttaac ccaaactcac tcactgtgcc tttctatcct      60
atgggatata ttatttgatg ctccatttca tcacacatat atgaataata cactcatact     120
gccctactac ctgctgcaat aatcacattc ccttcctgtc ctgaccctga agccattggg     180
gtggtcctag tggccatcag tccangcctg caccttgagc ccttgagctc cattgctcac     240
nccancccac ctcaccgacc ccatcctctt acacagctac ctccttgctc tctaacccca     300
tagattatnt ccaaattcag tcaattaagt tactattaac actctacccg acatgtccag     360
caccactggt aagccttctc cagccaacac acacacacac acacncacac acacacatat     420
ccaggcacag gctacctcat cttcacaatc acccctttaa ttaccatgct atggtgg        477
```

<210> 149
<211> 207
<212> DNA
<213> Homo sapien

<400> 149
```
acagttgtat tataatatca agaaataaac ttgcaatgag agcatttaag agggaagaac     60
taacgtattt tagagagcca aggaaggttt ctgtggggag tgggatgtaa ggtggggcct    120
gatgataaat aagagtcagc caggtaagtg ggtggtgtgg tatgggcaca gtgaagaaca    180
tttcaggcag agggaacagc agtgaaa                                        207
```

<210> 150
<211> 111
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

<400> 150
```
accttgattt cattgctgct ctgatggaaa cccaactatc taatttagct aaaacatggg     60
cacttaaatg tggtcagtgt ttggacttgt taactantgg catctttggg t             111
```

<210> 151
<211> 196
<212> DNA
<213> Homo sapien

<400> 151
```
agcgcggcag gtcatattga acattccaga tacctatcat tactcgatgc tgttgataac     60
agcaagatgg ctttgaactc agggtcacca ccagctattg gaccttacta tgaaaaccat    120
ggataccaac cggaaaaccc ctatcccgca cagcccactg tggtccccac tgtctacgag    180
gtgcatccgg ctcagt                                                    196
```

<210> 152
<211> 132
<212> DNA
<213> Homo sapien

<400> 152
```
acagcacttt cacatgtaag aagggagaaa ttcctaaatg taggagaaag ataacagaac     60
cttccccttt tcatctagtg gtggaaacct gatgctttat gttgacagga atagaaccag    120
gagggagttt gt                                                        132
```

<210> 153
<211> 285
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

```
<400> 153
acaanaccca nganaggcca ctggccgtgg tgtcatggcc tccaaacatg aaagtgtcag      60
cttctgctct tatgtcctca tctgacaact ctttaccatt tttatcctcg ctcagcagga     120
gcacatcaat aaagtccaaa gtcttggact tggccttggc ttggaggaag tcatcaacac     180
cctggctagt gagggtgcgg cgccgctcct ggatgacggc atctgtgaag tcgtgcacca     240
gtctgcaggc cctgtggaag cgccgtccac acggagtnag gaatt                     285

        <210> 154
        <211> 333
        <212> DNA
        <213> Homo sapien

        <400> 154
accacagtcc tgttgggcca gggcttcatg accctttctg tgaaaagcca tattatcacc      60
accccaaatt tttccttaaa tatctttaac tgaaggggtc agcctcttga ctgcaaagac     120
cctaagccgg ttacacagct aactcccact ggccctgatt tgtgaaattg ctgctgcctg     180
attggcacag gagtcgaagg tgttcagctc ccctcctccg tggaacgaga ctctgatttg     240
agtttcacaa attctcgggc cacctcgtca ttgctcctct gaaataaaat ccggagaatg     300
gtcaggcctg tctcatccat atggatcttc cgg                                  333

        <210> 155
        <211> 308
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(308)
        <223> n = A,T,C or G

        <400> 155
actggaaata ataaaaccca catcacagtg ttgtgtcaaa gatcatcagg gcatggatgg      60
gaaagtgctt tgggaactgt aaagtgccta acacatgatc gatgattttt gttataatat     120
ttgaatcacg gtgcatacaa actctcctgc ctgctcctcc tgggccccag ccccagcccc     180
atcacagctc actgctctgt tcatccaggc ccagcatgta gtggctgatt cttcttggct     240
gcttttagcc tccanaagtt tctctgaagc caaccaaacc tctangtgta aggcatgctg     300
gccctggt                                                              308

        <210> 156
        <211> 295
        <212> DNA
        <213> Homo sapien

        <400> 156
accttgctcg gtgcttggaa catattagga actcaaaata tgagatgata acagtgccta      60
ttattgatta ctgagagaac tgttagacat ttagttgaag attttctaca caggaactga     120
gaataggaga ttatgtttgg ccctcatatt ctctcctatc ctccttgcct cattctatgt     180
ctaatatatt ctcaatcaaa taaggttagc ataatcagga aatcgaccaa ataccaatat     240
aaaaccagat gtctatcctt aagattttca aatagaaaac aaattaacag actat          295

        <210> 157
        <211> 126
        <212> DNA
        <213> Homo sapien
```

```
<400> 157
acaagtttaa atagtgctgt cactgtgcat gtgctgaaat gtgaaatcca ccacatttct      60
gaagagcaaa acaaattctg tcatgtaatc tctatcttgg gtcgtgggta tatctgtccc     120
cttagt                                                                126


        <210> 158
        <211> 442
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(442)
        <223> n = A,T,C or G


        <400> 158
acccactggt cttggaaaca cccatcctta atacgatgat ttttctgtcg tgtgaaaatg      60
aanccagcag gctgccccta gtcagtcctt ccttccagag aaaaagagat ttgagaaagt     120
gcctgggtaa ttcaccatta atttcctccc ccaaactctc tgagtcttcc cttaatattt     180
ctggtggttc tgaccaaagc aggtcatggt ttgttgagca tttgggatcc cagtgaagta     240
natgtttgta gccttgcata cttagccctt cccacgcaca aacggagtgg cagagtggtg     300
ccaaccctgt tttcccagtc cacgtagaca gattcacagt gcggaattct ggaagctgga     360
nacagacggg ctctttgcag agccgggact ctgagangga catgagggcc tctgcctctg     420
tgttcattct ctgatgtcct gt                                              442


        <210> 159
        <211> 498
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(498)
        <223> n = A,T,C or G


        <400> 159
acttccaggt aacgttgttg tttccgttga gcctgaactg atgggtgacg ttgtaggttc      60
tccaacaaga actgaggttg cagagcgggt agggaagagt gctgttccag ttgcacctgg     120
gctgctgtgg actgttgttg attcctcact acggcccaag gttgtggaac tggcanaaag     180
gtgtgttgtt gganttgagc tcgggcggct gtggtaggtt gtgggctctt caacaggggc     240
tgctgtggtg ccgggangtg aangtgttgt gtcacttgag cttggccagc tctggaaagt     300
antanattct tcctgaaggc cagcgcttgt ggagctggca ngggtcantg ttgtgtgtaa     360
cgaaccagtg ctgctgtggg tgggtgtana tcctccacaa agcctgaagt tatggtgtcn     420
tcaggtaana atgtggtttc agtgtccctg ggcngctgtg gaaggttgta nattgtcacc     480
aagggaataa gctgtggt                                                   498


        <210> 160
        <211> 380
        <212> DNA
        <213> Homo sapien


        <220>
        <221> misc_feature
        <222> (1)...(380)
```

<223> n = A,T,C or G

<400> 160

```
acctgcatcc agcttccctg ccaaactcac aaggagacat caacctctag acagggaaac      60
agcttcagga tacttccagg agacagagcc accagcagca aaacaaatat tcccatgcct     120
ggagcatggc atagaggaag ctganaaatg tggggtctga ggaagccatt tgagtctggc     180
cactagacat ctcatcagcc acttgtgtga agagatgccc catgacccca gatgcctctc     240
ccaccttac ctccatctca cacacttgag ctttccactc tgtataattc taacatcctg      300
gagaaaaatg gcagtttgac cgaacctgtt cacaacggta gaggctgatt ctaacgaaa      360
cttgtagaat gaagcctgga                                                  380
```

<210> 161
<211> 114
<212> DNA
<213> Homo sapien

<400> 161

```
actccacatc ccctctgagc aggcggttgt cgttcaaggt gtatttggcc ttgcctgtca      60
cactgtccac tggccccctta tccacttggt gcttaatccc tcgaaagagc atgt           114
```

<210> 162
<211> 177
<212> DNA
<213> Homo sapien

<400> 162

```
actttctgaa tcgaatcaaa tgatacttag tgtagtttta atatcctcat atatatcaaa      60
gttttactac tctgataatt ttgtaaacca ggtaaccaga acatccagtc atacagcttt     120
tggtgatata taacttggca ataacccagt ctggtgatac ataaaactac tcactgt        177
```

<210> 163
<211> 137
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

<400> 163

```
catttataca gacaggcgtg aagacattca cgacaaaaac gcgaaattct atcccgtgac      60
canagaaggc agctacggct actcctacat cctggcgtgg gtggccttcg cctgcacctt     120
catcagcggc atgatgt                                                     137
```

<210> 164
<211> 469
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 164

```
cttatcacaa tgaatgttct cctgggcagc gttgtgatct ttgccacctt cgtgacttta      60
tgcaatgcat catgctattt catacctaat gagggagttc caggagattc aaccaggaaa     120
tgcatggatc tcaaaggaaa caaacaccca ataaactcgg agtggcagac tgacaactgt     180
gagacatgca cttgctacga aacagaaatt tcatgttgca cccttgtttc tacacctgtg     240
ggttatgaca aagacaactg ccaaagaatc ttcaagaagg aggactgcaa gtatatcgtg     300
gtggagaaga aggacccaaa aaagacctgt tctgtcagtg aatggataat ctaatgtgct     360
tctagtaggc acagggctcc caggccaggc ctcattctcc tctggcctct aatagtcaat     420
gattgtgtag ccatgcctat cagtaaaaag atntttgagc aaacacttt                469
```

<210> 165
<211> 195
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A,T,C or G

<400> 165

```
acagtttttt atanatatcg acattgccgg cacttgtgtt cagtttcata aagctggtgg      60
atccgctgtc atccactatt ccttggctag agtaaaaatt attcttatag cccatgtccc     120
tgcaggccgc ccgcccgtag ttctcgttcc agtcgtcttg gcacacaggg tgccaggact     180
tcctctgaga tgagt                                                      195
```

<210> 166
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 166

```
acatcttagt agtgtggcac atcaggggggc catcagggtc acagtcactc atagcctcgc      60
cgaggtcgga gtccacacca ccggtgtagg tgtgctcaat cttgggcttg gcgcccacct     120
ttggagaagg gatatgctgc acacacatgt ccacaaagcc tgtgaactcg ccaaagaatt     180
tttgcagacc agcctgagca aggggcggat gttcagcttc agctcctcct tcgtcaggtg     240
gatgccaacc tcgtctangg tccgtgggaa gctggtgtcc acntcaccta caacctgggc     300
gangatctta taaagaggct ccnagataaa ctccacgaaa cttctctggg agctgctagt     360
nggggccttt ttggtgaact ttc                                            383
```

<210> 167
<211> 247
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 167
```
acagagccag accttggcca taaatgaanc agagattaag actaaacccc aagtcganat      60
tggagcagaa actggagcaa gaagtgggcc tggggctgaa gtagagacca aggccactgc     120
tatanccata cacagagcca actctcaggc caaggcnatg gttggggcag anccagagac     180
tcaatctgan tccaaagtgg tggctggaac actggtcatg acanaggcag tgactctgac     240
tgangtc                                                              247
```

<210> 168
<211> 273
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A,T,C or G

<400> 168
```
acttctaagt tttctagaag tggaaggatt gtantcatcc tgaaaatggg tttacttcaa      60
aatccctcan ccttgttctt cacnactgtc tatactgana gtgtcatgtt tccacaaagg     120
gctgacacct gagcctgnat tttcactcat ccctgagaag ccctttccag tagggtgggc     180
aattcccaac ttccttgcca caagcttccc aggctttctc ccctggaaaa ctccagcttg     240
agtcccagat acactcatgg gctgccctgg gca                                 273
```

<210> 169
<211> 431
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 169
```
acagccttgg cttccccaaa ctccacagtc tcagtgcaga aagatcatct tccagcagtc      60
agctcagacc agggtcaaag gatgtgacat caacagtttc tggtttcaga acaggttcta     120
ctactgtcaa atgacccccc atacttcctc aaaggctgtg gtaagttttg cacaggtgag     180
ggcagcagaa aggggggtant tactgatgga caccatcttc tctgtatact ccacactgac     240
cttgccatgg gcaaaggccc ctaccacaaa aacaatagga tcactgctgg gcaccagctc     300
acgcacatca ctgacaaccg ggatggaaaa agaantgcca actttcatac atccaactgg     360
aaagtgatct gatactggat tcttaattac cttcaaaagc ttctgggggc catcagctgc     420
tcgaacactg a                                                         431
```

<210> 170
<211> 266
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 170

```
acctgtgggc tgggctgtta tgcctgtgcc ggctgctgaa agggagttca gaggtggagc      60
tcaaggagct ctgcaggcat tttgccaanc ctctccanag canagggagc aacctacact     120
ccccgctaga aagacaccag attggagtcc tgggaggggg agttgggtg ggcatttgat      180
gtatacttgt cacctgaatg aangagccag agaggaanga gacgaanatg anattggcct     240
tcaaagctag gggtctggca ggtgga                                          266
```

<210> 171
<211> 1248
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1248)
<223> n = A,T,C or G

<400> 171

```
ggcagccaaa tcataaacgg cgaggactgc agcccgcact cgcagccctg gcaggcggca      60
ctggtcatgg aaaacgaatt gttctgctcg ggcgtcctgg tgcatccgca gtgggtgctg     120
tcagccgcac actgtttcca gaagtgagtg cagagctcct acaccatcgg gctgggcctg     180
cacagtcttg aggccgacca agagccaggg agccagatgg tggaggccag cctctccgta     240
cggcacccag agtacaacag acccttgctc gctaacgacc tcatgctcat caagttggac     300
gaatccgtgt ccgagtctga caccatccgg agcatcagca ttgcttcgca gtgccctacc     360
gcggggaact cttgcctcgt ttctggctgg ggtctgctgg cgaacggcag aatgcctacc     420
gtgctgcagt gcgtgaacgt gtcggtggtg tctgaggagg tctgcagtaa gctctatgac     480
ccgctgtacc accccagcat gttctgcgcc ggcggagggc aagaccagaa ggactcctgc     540
aacggtgact ctgggggggcc cctgatctgc aacgggtact tgcagggcct tgtgtctttc     600
ggaaaagccc cgtgtggcca agttggcgtg ccaggtgtct acaccaacct ctgcaaattc     660
actgagtgga tagagaaaac cgtccaggcc agttaactct ggggactggg aacccatgaa     720
attgaccccc aaatacatcc tgcggaagga attcaggaat atctgttccc agcccctcct     780
ccctcaggcc caggagtcca ggcccccagc ccctcctccc tcaaaccaag ggtacagatc     840
cccagcccct cctccctcag acccaggagt ccagaccccc cagcccctcc tccctcagac     900
ccaggagtcc agcccctcct ccctcagacc caggagtcca gacccccag ccccctcctcc     960
ctcagaccca ggggtccagg cccccaaccc ctcctccctc agactcagag gtccaagccc    1020
ccaacccntc attccccaga cccagaggtc caggtcccag cccctcntcc ctcagaccca    1080
gcggtccaat gccacctaga ctntccctgt acacagtgcc cccttgtggc acgttgaccc    1140
aaccttacca gttggttttt catttttngt ccctttcccc tagatccaga ataaagtttt    1200
aagagaagng caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa              1248
```

<210> 172
<211> 159
<212> PRT
<213> Homo sapien

<220>
<221> VARIANT
<222> (1)...(159)
<223> Xaa = Any Amino Acid

<400> 172

```
Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
 1               5                  10                  15
Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
            20                  25                  30
Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr
```

```
          35                    40                    45
Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
     50                    55                    60
Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu
65                    70                    75                    80
Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe
                  85                    90                    95
Cys Ala Gly Gly Gly Gln Xaa Gln Xaa Asp Ser Cys Asn Gly Asp Ser
              100                   105                   110
Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe
          115                   120                   125
Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn
     130                   135                   140
Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
145                   150                   155
```

```
          <210> 173
          <211> 1265
          <212> DNA
          <213> Homo sapien

          <220>
          <221> misc_feature
          <222> (1)...(1265)
          <223> n = A,T,C or G

          <400> 173
ggcagcccgc actcgcagcc ctggcaggcg gcactggtca tggaaaacga attgttctgc        60
tcgggcgtcc tggtgcatcc gcagtgggtg ctgtcagccg cacactgttt ccagaactcc       120
tacaccatcg ggctgggcct gcacagtctt gaggccgacc aagagccagg gagccagatg       180
gtggaggcca gcctctccgt acggcaccca gagtacaaca gaccccttgct cgctaacgac      240
ctcatgctca tcaagttgga cgaatccgtg tccgagtctg acaccatccg gagcatcagc       300
attgcttcgc agtgccctac cgcggggaac tcttgcctcg tttctggctg gggtctgctg       360
gcgaacggtg agctcacggg tgtgtgtctg ccctcttcaa ggaggtcctc tgcccagtcg       420
cggggctga cccagagctc tgcgtcccag gcagaatgcc taccgtgctg cagtgcgtga        480
acgtgtcggt ggtgtctgag gaggtctgca gtaagctcta tgaccgctg taccaccca         540
gcatgttctg cgccggcgga gggcaagacc agaaggactc ctgcaacggt gactctgggg       600
ggcccctgat ctgcaacggg tacttgcagg gccttgtgtc tttcggaaaa gccccgtgtg       660
gccaagttgg cgtgccaggt gtctacacca acctctgcaa attcactgag tggatagaga       720
aaaccgtcca ggccagttaa ctctggggac tgggaaccca tgaaattgac ccccaaatac       780
atcctgcgga aggaattcag gaatatctgt tcccagcccc tcctccctca ggcccaggag       840
tccaggcccc cagcccctcc tccctcaaac caagggtaca gatccccagc ccctcctccc       900
tcagacccag gagtccagac cccccagccc ctcctccctc agacccagga gtccagcccc       960
tcctccntca gacccaggag tccagacccc ccagccctc ctccctcaga cccaggggtt       1020
gaggcccca acccctcctc cttcagagtc agaggtccaa gcccccaacc cctcgttccc       1080
cagacccaga ggtnnaggtc ccagcccctc ttccntcaga cccagnggtc caatgccacc      1140
tagattttcc ctgnacacag tgccccccttg tggnangttg acccaacctt accagttggt    1200
ttttcatttt tngtcccttt cccctagatc cagaaataaa gtttaagaga ngngcaaaaa     1260
aaaaa                                                               1265

          <210> 174
          <211> 1459
          <212> DNA
          <213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(1459)
<223> n = A,T,C or G

<400> 174
ggtcagccgc acactgtttc cagaagtgag tgcagagctc ctacaccatc gggctgggcc      60
tgcacagtct tgaggccgac caagagccag ggagccagat ggtggaggcc agcctctccg     120
tacggcaccc agagtacaac agacccttgc tcgctaacga cctcatgctc atcaagttgg     180
acgaatccgt gtccgagtct gacaccatcc ggagcatcag cattgcttcg cagtgcccta     240
ccgcggggaa ctcttgcctc gtttctggct ggggtctgct ggcgaacggt gagctcacgg     300
gtgtgtgtct gccctcttca aggaggtcct ctgcccagtc gcgggggctg acccagagct     360
ctgcgtccca ggcagaatgc ctaccgtgct gcagtgcgtg aacgtgtcgg tggtgtctga     420
ngaggtctgc antaagctct atgacccgct gtaccacccc ancatgttct gcgccggcgg     480
agggcaagac cagaaggact cctgcaacgt gagagagggg aaaggggagg gcaggcgact     540
cagggaaggg tggagaaggg ggagacagag acacacaggg ccgcatggcg agatgcagag     600
atggagagac acacagggag acagtgacaa ctagagagag aaactgagag aaacagagaa     660
ataaacacag gaataaagag aagcaaagga agagagaaac agaaacagac atggggaggc     720
agaaacacac acacatagaa atgcagttga ccttccaaca gcatgggcc tgagggcggt     780
gacctccacc caatagaaaa tcctcttata acttttgact ccccaaaaac ctgactagaa      840
atagcctact gttgacgggg agccttacca ataacataaa tagtcgattt atgcatacgt      900
tttatgcatt catgatatac ctttgttgga attttttgat atttctaagc tacacagttc      960
gtctgtgaat ttttttaaat tgttgcaact ctcctaaaat ttttctgatg tgtttattga     1020
aaaaatccaa gtataagtgg acttgtgcat tcaaaccagg gttgttcaag ggtcaactgt     1080
gtacccagag ggaaacagtg acacagattc atagaggtga aacacgaaga gaaacaggaa     1140
aaatcaagac tctacaaaga ggctgggcag ggtggctcat gcctgtaatc ccagcacttt     1200
gggaggcgag gcaggcagat cacttgaggt aaggagttca agaccagcct ggccaaaatg     1260
gtgaaatcct gtctgtacta aaaatacaaa agttagctgg atatggtggc aggcgcctgt     1320
aatcccagct acttgggagg ctgaggcagg agaattgctt gaatatggga ggcagaggtt     1380
gaagtgagtt gagatcacac cactatactc cagctggggc aacagagtaa gactctgtct     1440
caaaaaaaaa aaaaaaaaa                                                   1459


<210> 175
<211> 1167
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1167)
<223> n = A,T,C or G

<400> 175
gcgcagccct ggcaggcggc actggtcatg gaaaacgaat tgttctgctc gggcgtcctg      60
gtgcatccgc agtgggtgct gtcagccgca cactgtttcc agaactccta caccatcggg     120
ctgggcctgc acagtcttga ggccgaccaa gagccaggga ccagatggt ggaggccagc     180
ctctccgtac ggcacccaga gtacaacaga ctcttgctcg ctaacgacct catgctcatc     240
aagttggacg aatccgtgtc cgagtctgac accatccgga gcatcagcat gcttcgcag      300
tgccctaccg cggggaactc ttgcctcgtn tctggctggg gtctgctggc aacggcaga     360
atgcctaccg tgctgcactg cgtgaacgtg tcggtggtgt ctgaggangt ctgcagtaag     420
ctctatgacc cgctgtacca ccccagcatg ttctgcgccg cggagggca agaccagaag     480
gactcctgca acggtgactc tgggggggccc ctgatctgca cgggtactt gcagggcctt     540
gtgtctttcg gaaaagcccc gtgtggccaa cttggcgtgc caggtgtcta caccaacctc     600
tgcaaattca ctgagtggat agagaaaacc gtccagncca gttaactctg gggactggga     660
acccatgaaa ttgaccccca aatacatcct gcggaangaa ttcaggaata tctgttccca     720
```

```
gcccctcctc cctcaggccc aggagtccag gcccccagcc cctcctccct caaaccaagg    780
gtacagatcc ccagcccctc ctccctcaga cccaggagtc cagacccccc agcccctcnt    840
ccntcagacc caggagtcca gcccctcctc cntcagacgc aggagtccag acccccccagc    900
ccntcntccg tcagacccag gggtgcaggc ccccaacccc tcntccntca gagtcagagg    960
tccaagcccc caacccctcg ttccccagac ccagaggtnc aggtcccagc ccctcctccc   1020
tcagacccag cggtccaatg ccacctagan tntccctgta cacagtgccc ccttgtggca   1080
ngttgaccca accttaccag ttggtttttc attttttgtc cctttcccct agatccagaa   1140
ataaagtnta agagaagcgc aaaaaaa                                       1167
```

```
<210> 176
<211> 205
<212> PRT
<213> Homo sapien

<220>
<221> VARIANT
<222> (1)...(205)
<223> Xaa = Any Amino Acid

<400> 176
```

```
Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
1               5                   10                  15
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
            20                  25                  30
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
        35                  40                  45
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Leu Leu Leu
    50                  55                  60
Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
65                  70                  75                  80
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
                85                  90                  95
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met
            100                 105                 110
Pro Thr Val Leu His Cys Val Asn Val Ser Val Val Ser Glu Xaa Val
            115                 120                 125
Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
    130                 135                 140
Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
145                 150                 155                 160
Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
                165                 170                 175
Ala Pro Cys Gly Gln Leu Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
            180                 185                 190
Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Xaa Ser
        195                 200                 205
```

```
<210> 177
<211> 1119
<212> DNA
<213> Homo sapien

<400> 177
```

```
gcgcactcgc agccctggca ggcggcactg gtcatggaaa acgaattgtt ctgctcgggc     60
gtcctggtgc atccgcagtg ggtgctgtca gccgcacact gtttccagaa ctcctacacc    120
```

```
atcgggctgg gcctgcacag tcttgaggcc gaccaagagc cagggagcca gatggtggag    180
gccagcctct ccgtacggca cccagagtac aacagaccct tgctcgctaa cgacctcatg    240
ctcatcaagt tggacgaatc cgtgtccgag tctgacacca tccggagcat cagcattgct    300
tcgcagtgcc ctaccgcggg gaactcttgc ctcgtttctg ctggggtct gctggcgaac     360
gatgctgtga ttgccatcca gtcccagact gtgggaggct gggagtgtga gaagctttcc    420
caaccctggc agggttgtac catttcggca acttccagtg caaggacgtc ctgctgcatc    480
ctcactgggt gctcactact gctcactgca tcacccggaa cactgtgatc aactagccag    540
caccatagtt ctccgaagtc agactatcat gattactgtg ttgactgtgc tgtctattgt    600
actaaccatg ccgatgttta ggtgaaatta gcgtcacttg cctcaacca tcttggtatc     660
cagttatcct cactgaattg agatttcctg cttcagtgtc agccattccc acataatttc    720
tgacctacag aggtgaggga tcatatagct cttcaaggat gctggtactc ccctcacaaa    780
ttcatttctc ctgttgtagt gaaaggtgcg ccctctggag cctcccaggg tgggtgtgca    840
ggtcacaatg atgaatgtat gatcgtgttc ccattaccca aagcctttaa atccctcatg    900
ctcagtacac cagggcaggt ctagcatttc ttcatttagt gtatgctgtc cattcatgca    960
accacctcag gactcctgga ttctctgcct agttgagctc ctgcatgctg cctccttggg   1020
gaggtgaggg agagggccca tggttcaatg ggatctgtgc agttgtaaca cattaggtgc   1080
ttaataaaca gaagctgtga tgttaaaaaa aaaaaaaaa                         1119
```

```
        <210> 178
        <211> 164
        <212> PRT
        <213> Homo sapien

        <220>
        <221> VARIANT
        <222> (1)...(164)
        <223> Xaa = Any Amino Acid

        <400> 178
Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
1               5                   10                  15
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
            20                  25                  30
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
        35                  40                  45
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
    50                  55                  60
Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
65                  70                  75                  80
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
                85                  90                  95
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Val
            100                 105                 110
Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu
        115                 120                 125
Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg
    130                 135                 140
Thr Ser Cys Cys Ile Leu Thr Gly Cys Ser Leu Leu Leu Thr Ala Ser
145                 150                 155                 160
Pro Gly Thr Leu


        <210> 179
        <211> 250
        <212> DNA
```

```
<213> Homo sapien

<400> 179
ctggagtgcc ttggtgtttc aagcccctgc aggaagcaga atgcaccttc tgaggcacct    60
ccagctgccc ccggccgggg gatgcgaggc tcggagcacc cttgcccggc tgtgattgct   120
gccaggcact gttcatctca gcttttctgt ccctttgctc ccggcaagcg cttctgctga   180
aagttcatat ctggagcctg atgtcttaac gaataaaggt cccatgctcc acccgaaaaa   240
aaaaaaaaaa                                                          250


    <210> 180
    <211> 202
    <212> DNA
    <213> Homo sapien


    <400> 180
actagtccag tgtggtggaa ttccattgtg ttgggcccaa cacaatggct acctttaaca    60
tcacccagac cccgcccctg cccgtgcccc acgctgctgc taacgacagt atgatgctta   120
ctctgctact cggaaactat ttttatgtaa ttaatgtatg ctttcttgtt tataaatgcc   180
tgatttaaaa aaaaaaaaaa aa                                            202


    <210> 181
    <211> 558
    <212> DNA
    <213> Homo sapien


    <220>
    <221> misc_feature
    <222> (1)...(558)
    <223> n = A,T,C or G


    <400> 181
tccytttgkt naggtttkkg agacamccck agacctwaan ctgtgtcaca gacttcyngg    60
aatgtttagg cagtgctagt aatttcytcg taatgattct gttattactt tcctnattct   120
ttattcctct ttcttctgaa gattaatgaa gttgaaaatt gaggtggata aatacaaaaa   180
ggtagtgtga tagtataagt atctaagtgc agatgaaagt gtgttatata tatccattca   240
aaattatgca agttagtaat tactcagggt taactaaatt actttaatat gctgttgaac   300
ctactctgtt ccttggctag aaaaaattat aaacaggact ttgttagttt gggaagccaa   360
attgataata ttctatgttc taaaagttgg gctatacata aattattaag aaatatggaw   420
ttttattccc aggaatatgg kgttcatttt atgaatatta cscrggatag awgtwtgagt   480
aaaaycagtt ttggtwaata ygtwaatatg tcmtaaataa acaakgcttt gacttatttc   540
caaaaaaaaa aaaaaaaa                                                 558


    <210> 182
    <211> 479
    <212> DNA
    <213> Homo sapien


    <220>
    <221> misc_feature
    <222> (1)...(479)
    <223> n = A,T,C or G


    <400> 182
acagggwttk grggatgcta agsccccrga rwtygtttga tccaaccctg gcttwttttc    60
agaggggaaa atggggccta gaagttacag mscatytagy tggtgcgmtg gcacccctgg   120
```

```
cstcacacag astcccgagt agctgggact acaggcacac agtcactgaa gcaggccctg    180
ttwgcaattc acgttgccac ctccaactta aacattcttc atatgtgatg tccttagtca    240
ctaaggttaa actttcccac ccagaaaagg caacttagat aaaatcttag agtactttca    300
tactmttcta agtcctcttc cagcctcact kkgagtcctm cytgggggtt gataggaant    360
ntctcttggc tttctcaata aartctctat ycatctcatg tttaatttgg tacgcatara    420
awtgstgara aaattaaaat gttctggtty mactttaaaa araaaaaaaa aaaaaaaaa     479
```

```
<210> 183
<211> 384
<212> DNA
<213> Homo sapien
```

```
<400> 183
aggcgggagc agaagctaaa gccaaagccc aagaagagtg gcagtgccag cactggtgcc     60
agtaccagta ccaataacag tgccagtgcc agtgccagca ccagtggtgg cttcagtgct    120
ggtgccagcc tgaccgccac tctcacattt gggctcttcg ctggccttgg tggagctggt    180
gccagcacca gtggcagctc tggtgcctgt ggtttctcct acaagtgaga ttttagatat    240
tgttaatcct gccagtcttt ctcttcaagc cagggtgcat cctcagaaac ctactcaaca    300
cagcactcta ggcagccact atcaatcaat tgaagttgac actctgcatt aratctattt    360
gccatttcaa aaaaaaaaaa aaaa                                           384
```

```
<210> 184
<211> 496
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G
```

```
<400> 184
accgaattgg gaccgctggc ttataagcga tcatgtyynt ccrgtatkac ctcaacgagc     60
agggagatcg agtctatacg ctgaagaaat ttgacccgat gggacaacag acctgctcag    120
cccatcctgc tcggttctcc ccagatgaca aatactctsg acaccgaatc accatcaaga    180
aacgcttcaa ggtgctcatg acccagcaac cgcgccctgt cctctgaggg tcccttaaac    240
tgatgtcttt tctgccacct gttacccctc ggagactccg taaccaaact cttcggactg    300
tgagccctga tgcctttttg ccagccatac tctttggcat ccagtctctc gtggcgattg    360
attatgcttg tgtgaggcaa tcatggtggc atcacccata aagggaacac atttgacttt    420
ttttctcat attttaaatt actacmagaw tattwmagaw waaatgawtt gaaaaactst    480
taaaaaaaaa aaaaa                                                    496
```

```
<210> 185
<211> 384
<212> DNA
<213> Homo sapien
```

```
<400> 185
gctggtagcc tatggcgkgg cccacggagg ggctcctgag gccacggrac agtgacttcc     60
caagtatcyt gcgcsgcgtc ttctaccgtc cctacctgca gatcttcggg cagattcccc    120
aggaggacat ggacgtggcc ctcatggagc acagcaactg ytcgtcggag cccggcttct    180
gggcacaccc tcctggggcc caggcgggca cctgcgtctc ccagtatgcc aactggctgg    240
tggtgctgct cctcgtcatc ttcctgctcg tggccaacat cctgctggtc aacttgctca    300
ttgccatgtt cagttacaca ttcggcaaag tacagggcaa cagcgatctc tactgggaag    360
gcgcagcgtt accgcctcat ccgg                                          384
```

<210> 186
<211> 577
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 186

```
gagttagctc ctccacaacc ttgatgaggt cgtctgcagt ggcctctcgc ttcataccgc        60
tnccatcgtc atactgtagg tttgccacca cytcctggca tcttggggcg gcntaatatt       120
ccaggaaact ctcaatcaag tcaccgtcga tgaaacctgt gggctggttc tgtcttccgc       180
tcggtgtgaa aggatctccc agaaggagtg ctcgatcttc cccacacttt tgatgacttt       240
attgagtcga ttctgcatgt ccagcaggag gttgtaccag ctctctgaca gtgaggtcac       300
cagccctatc atgccgttga mcgtgccgaa garcaccgag ccttgtgtgg gggkkgaagt       360
ctcacccaga ttctgcatta ccagagagcc gtggcaaaag acattgacaa actcgcccag       420
gtggaaaaag amcamctcct ggargtgctn gccgctcctc gtcmgttggt ggcagcgctw       480
tccttttgac acacaaacaa gttaaaggca ttttcagccc ccagaaantt gtcatcatcc       540
aagatntcgc acagcactna tccagttggg attaaat                                577
```

<210> 187
<211> 534
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G

<400> 187

```
aacatcttcc tgtataatgc tgtgtaatat cgatccgatn ttgtctgstg agaatycatw        60
actkggaaaa gmaacattaa agcctggaca ctggtattaa aattcacaat atgcaacact       120
ttaaacagtg tgtcaatctg ctcccyynac tttgtcatca ccagtctggg aakaagggta       180
tgccctattc acacctgtta aaagggcgct aagcattttt gattcaacat cttttttttt       240
gacacaagtc cgaaaaaagc aaaagtaaac agttatyaat ttgttagcca attcactttc       300
ttcatgggac agagccatyt gatttaaaaa gcaaattgca taatattgag cttygggagc       360
tgatatttga gcggaagagt agcctttcta cttcaccaga cacaactccc tttcatattg       420
ggatgttnac naaagtwatg tctctwacag atgggatgct tttgtggcaa ttctgttctg       480
aggatctccc agtttatttta ccacttgcac aagaaggcgt tttcttcctc aggc            534
```

<210> 188
<211> 761
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 188

```
agaaaccagt atctctnaaa acaacctctc ataccttgtg gacctaattt tgtgtgcgtg      60
tgtgtgtgcg cgcatattat atagacaggc acatcttttt tacttttgta aaagcttatg     120
cctctttggt atctatatct gtgaaagttt taatgatctg ccataatgtc ttggggacct     180
ttgtcttctg tgtaaatggt actagagaaa acacctatnt tatgagtcaa tctagttngt     240
tttattcgac atgaaggaaa tttccagatn acaacactna caaactctcc ctkgackarg     300
ggggacaaag aaaagcaaaa ctgamcataa raaacaatwa cctggtgaga arttgcataa     360
acagaaatwr ggtagtatat tgaarnacag catcattaaa rmgttwtktt wttctccctt     420
gcaaaaaaca tgtacngact tcccgttgag taatgccaag ttgttttttt tatnataaaa     480
cttgcccttc attacatgtt tnaaagtggt gtggtgggcc aaaatattga aatgatggaa     540
ctgactgata aagctgtaca aataagcagt gtgcctaaca agcaacacag taatgttgac     600
atgcttaatt cacaaatgct aatttcatta taaatgtttg ctaaaataca ctttgaacta     660
ttttttctgtn ttcccagagc tgagatntta gattttatgt agtatnaagt gaaaaantac     720
gaaaataata acattgaaga aaaananaaa aaanaaaaaa a                          761
```

        <210> 189
        <211> 482
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(482)
        <223> n = A,T,C or G

        <400> 189
```
tttttttttt tttgccgatn ctactatttt attgcaggan gtgggggtgt atgcaccgca      60
caccggggct atnagaagca agaaggaagg agggagggca cagccccttg ctgagcaaca     120
aagccgcctg ctgccttctc tgtctgtctc ctggtgcagg cacatgggga gaccttcccc     180
aaggcagggg ccaccagtcc aggggtggga atacaggggg tgggangtgt gcataagaag     240
tgataggcac aggccacccg gtacagaccc ctcggctcct gacaggtnga tttcgaccag     300
gtcattgtgc cctgcccagg cacagcgtan atctggaaaa gacagaatgc tttccttttc     360
aaatttggct ngtcatngaa ngggcanttt tccaanttng gctnggtctt ggtacncttg     420
gttcggccca gctccncgtc caaaaantat tcacccnnct ccnaattgct tgcnggnccc     480
cc                                                                     482
```

        <210> 190
        <211> 471
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(471)
        <223> n = A,T,C or G

        <400> 190
```
tttttttttt ttttaaaaca gtttttcaca acaaaattta ttagaagaat agtggttttg      60
aaaactctcg catccagtga gaactaccat acaccacatt acagctngga atgtnctcca     120
aatgtctggt caaatgatac aatggaacca ttcaatctta cacatgcacg aaagaacaag     180
cgcttttgac atacaatgca caaaaaaaaa aggggggggg gaccacatgg attaaaattt     240
taagtactca tcacatacat taagacacag ttctagtcca gtcnaaaatc agaactgcnt     300
tgaaaaattt catgtatgca atccaaccaa agaacttnat tggtgatcat gantnctcta     360
ctacatcnac cttgatcatt gccaggaacn aaaagttnaa ancacncngt acaaaaanaa     420
tctgtaattn anttcaacct ccgtacngaa aaatnttnnt tatacactcc c              471
```

```
<210> 191
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 191
gagggattga aggtctgttc tastgtcggm ctgttcagcc accaactcta acaagttgct      60
gtcttccact cactgtctgt aagctttta acccagacwg tatcttcata aatagaacaa     120
attcttcacc agtcacatct tctaggacct ttttggattc agttagtata agctcttcca     180
cttcctttgt taagacttca tctggtaaag tcttaagttt tgtagaaagg aattyaattg     240
ctcgttctct aacaatgtcc tctccttgaa gtatttggct gaacaaccca cctaaagtcc     300
ctttgtgcat ccattttaaa tatacttaat agggcattgk tncactaggt taaattctgc     360
aagagtcatc tgtctgcaaa agttgcgtta gtatatctgc ca                       402
```

```
<210> 192
<211> 601
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(601)
<223> n = A,T,C or G

<400> 192
gagctcggat ccaataatct ttgtctgagg gcagcacaca tatncagtgc catggnaact      60
ggtctacccc acatgggagc agcatgccgt agntatataa ggtcattccc tgagtcagac     120
atgcytyttt gaytaccgtg tgccaagtgc tggtgattct yaacacacyt ccatcccgyt     180
cttttgtgga aaaactggca cttktctgga actagcarga catcacttac aaattcaccc     240
acgagacact tgaaaggtgt aacaaagcga ytcttgcatt gcttttgtc cctccggcac     300
cagttgtcaa tactaacccg ctggtttgcc tccatcacat ttgtgatctg tagctctgga     360
tacatctcct gacagtactg aagaacttct tcttttgttt caaaagcarc tcttggtgcc     420
tgttggatca ggttcccatt tcccagtcyg aatgttcaca tggcatattt wacttcccac     480
aaaacattgc gatttgaggc tcagcaacag caaatcctgt tccggcattg gctgcaagag     540
cctcgatgta gccggccagc gccaaggcag gcgccgtgag ccccaccagc agcagaagca     600
g                                                                    601
```

```
<210> 193
<211> 608
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 193
atacagccca natcccacca cgaagatgcg cttgttgact gagaacctga tgcggtcact      60
ggtcccgctg tagccccagc gactctccac ctgctggaag cggttgatgc tgcactcytt     120
```

```
cccaacgcag gcagmagcgg gsccggtcaa tgaactccay tcgtggcttg gggtkgacgg      180
tkaagtgcag gaagaggctg accacctcgc ggtccaccag gatgcccgac tgtgcgggac      240
ctgcagcgaa actcctcgat ggtcatgagc gggaagcgaa tgaggcccag ggccttgccc      300
agaaccttcc gcctgttctc tggcgtcacc tgcagctgct gccgctgaca ctcggcctcg      360
gaccagcgga caaacggcrt tgaacagccg cacctcacgg atgcccagtg tgtcgcgctc      420
caggammgsc accagcgtgt ccaggtcaat gtcggtgaag ccctccgcgg gtratggcgt      480
ctgcagtgtt tttgtcgatg ttctccaggc acaggctggc cagctgcggt tcatcgaaga      540
gtcgcgcctg cgtgagcagc atgaaggcgt tgtcggctcg cagttcttct tcaggaactc      600
cacgcaat                                                               608
```

        <210> 194
        <211> 392
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(392)
        <223> n = A,T,C or G

        <400> 194
```
gaacggctgg accttgcctc gcattgtgct tgctggcagg gaataccttg gcaagcagyt       60
ccagtccgag cagccccaga ccgctgccgc ccgaagctaa gcctgcctct ggccttcccc      120
tccgcctcaa tgcagaacca gtagtgggag cactgtgttt agagttaaga gtgaacactg      190
tttgatttta cttgggaatt tcctctgtta tatagctttt cccaatgcta atttccaaac      240
aacaacaaca aaataacatg tttgcctgtt aagttgtata aaagtaggtg attctgtatt      300
taaagaaaat attactgtta catatactgc ttgcaatttc tgtatttatt gktnctstgg      360
aaataaatat agttattaaa ggttgtcant cc                                    392
```

        <210> 195
        <211> 502
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(502)
        <223> n = A,T,C or G

        <400> 195
```
ccsttkgagg ggtkaggkyc cagttyccga gtggaagaaa caggccagga gaagtgcgtg       60
ccgagctgag gcagatgttc ccacagtgac ccccagagcc stgggstata gtytctgacc      120
cctcncaagg aaagaccacs ttctggggac atgggctgga gggcaggacc tagaggcacc      180
aagggaaggc cccattccgg ggstgttccc cgaggaggaa gggaaggggc tctgtgtgcc      240
ccccasgagg aagaggccct gagtcctggg atcagacacc ccttcacgtg tatccccaca      300
caaatgcaag ctcaccaagg tcccctctca gtccccttcc stacaccctg amcggccact      360
gscscacacc cacccagagc acgccacccg ccatggggar tgtgctcaag gartcgcngg      420
gcarcgtgga catctngtcc cagaagggggg cagaatctcc aatagangga ctgarcmstt      480
gctnanaaaa aaaaanaaaa aa                                                502
```

        <210> 196
        <211> 665
        <212> DNA
        <213> Homo sapien

```
<220>
<221> misc_feature
<222> (1)...(665)
<223> n = A,T,C or G

<400> 196
ggttacttgg tttcattgcc accacttagt ggatgtcatt tagaaccatt ttgtctgctc      60
cctctggaag ccttgcgcag agcggacttt gtaattgttg gagaataact gctgaatttt     120
wagctgtttk gagttgatts gcaccactgc acccacaact tcaatatgaa aacyawttga     180
actwatttat tatcttgtga aaagtataac aatgaaaatt ttgttcatac tgtattkatc     240
aagtatgatg aaaagcaawa gatatatatt cttttattat gttaaattat gattgccatt     300
attaatcggc aaaatgtgga gtgtatgttc ttttcacagt aatatatgcc ttttgtaact     360
tcacttggtt attttattgt aaatgartta caaaattctt aatttaagar aatggtatgt     420
watatttatt tcattaattt ctttcctkgt ttacgtwaat tttgaaaaga wtgcatgatt     480
tcttgacaga aatcgatctt gatgctgtgg aagtagtttg acccacatcc ctatgagttt     540
ttcttagaat gtataaaggt tgtagcccat cnaacttcaa agaaaaaaat gaccacatac     600
tttgcaatca ggctgaaatg tggcatgctn ttctaattcc aactttataa actagcaaan     660
aagtg                                                                  665
```

```
<210> 197
<211> 492
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 197
ttttnttttt ttttttttgc aggaaggatt ccatttattg tggatgcatt ttcacaatat      60
atgttattg gagcgatcca ttatcagtga aaagtatcaa gtgtttataa natttttagg      120
aaggcagatt cacagaacat gctngtcngc ttgcagtttt acctcgtana gatnacagag     180
aattatagtc naaccagtaa acnaggaatt tacttttcaa aagattaaat ccaaactgaa     240
caaaattcta ccctgaaact tactccatcc aaatattgga ataanagtca gcagtgatac     300
attctcttct gaactttaga ttttctagaa aaatatgtaa tagtgatcag gaagagctct     360
tgttcaaaag tacaacnaag caatgttccc ttaccatagg ccttaattca aactttgatc     420
catttcactc ccatcacggg agtcaatgct acctgggaca cttgtatttt gttcatnctg     480
ancntggctt aa                                                          492
```

```
<210> 198
<211> 478
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 198
tttnttttgn atttcantct gtannaanta ttttcattat gtttattana aaaatatnaa      60
tgtntccacn acaaatcatn ttacntnagt aagaggccan ctacattgta caacatacac     120
tgagtatatt ttgaaaagga caagtttaaa gtanacncat attgccganc atancacatt     180
tatacatggc ttgattgata tttagcacag canaaactga gtgagttacc agaaanaaat     240
```

```
natatatgtc aatcngattt aagatacaaa acagatccta tggtacatan catcntgtag      300
gagttgtggc tttatgttta ctgaaagtca atgcagttcc tgtacaaaga gatggccgta      360
agcattctag tacctctact ccatggttaa gaatcgtaca cttatgttta catatgtnca      420
gggtaagaat tgtgttaagt naanttatgg agaggtccan gagaaaaatt tgatncaa        478
```

```
        <210> 199
        <211> 482
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(482)
        <223> n = A,T,C or G

        <400> 199
agtgacttgt cctccaacaa aaccccttga tcaagtttgt ggcactgaca atcagaccta       60
tgctagttcc tgtcatctat tcgctactaa atgcagactg gaggggacca aaaaggggca      120
tcaactccag ctggattatt ttggagcctg caaatctatt cctacttgta cggactttga      180
agtgattcag tttcctctac ggatgagaga ctggctcaag aatatcctca tgcagcttta      240
tgaagccnac tctgaacacg ctggttatct nagatgagaa ncagagaaat aaagtcnaga      300
aaatttacct ggangaaaag aggctttngg ctggggacca tcccattgaa ccttctctta      360
anggacttta agaanaaact accacatgtn tgtngtatcc tggtgccngg ccgtttnantg      420
aacntngacn ncacccttnt ggaatanant cttgacngcn tcctgaactt gctcctctgc      480
ga                                                                     482
```

```
        <210> 200
        <211> 270
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(270)
        <223> n = A,T,C or G

        <400> 200
cggccgcaag tgcaactcca gctggggccg tgcggacgaa gattctgcca gcagttggtc       60
cgactgcgac gacggcggcg gcgacagtcg caggtgcagc gcgggcgcct ggggtcttgc      120
aaggctgagc tgacgccgca gaggtcgtgt cacgtcccac gaccttgacg ccgtcgggga      180
cagccggaac agagcccggt gaangcggga ggcctcgggg agcccctcgg gaaggcggc       240
ccgagagata cgcaggtgca ggtggccgcc                                      270
```

```
        <210> 201
        <211> 419
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(419)
        <223> n = A,T,C or G

        <400> 201
ttttttttt ttttggaatc tactgcgagc acagcaggtc agcaacaagt ttattttgca       60
```

```
gctagcaagg taacagggta gggcatggtt acatgttcag gtcaacttcc tttgtcgtgg      120
ttgattggtt tgtctttatg ggggcggggt ggggtagggg aaancgaagc anaantaaca      180
tggagtgggt gcaccctccc tgtagaacct ggttacnaaa gcttggggca gttcacctgg      240
tctgtgaccg tcattttctt gacatcaatg ttattagaag tcaggatatc ttttagagag      300
tccactgtnt ctggagggag attagggttt cttgccaana tccaancaaa atccacntga      360
aaaagttgga tgatncangt acngaatacc ganggcatan ttctcatant cggtggcca     · 419
```

        <210> 202
        <211> 509
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(509)
        <223> n = A,T,C or G

        <400> 202
```
tttntttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt     · 60·
tggcacttaa tccatttta tttcaaaatg tctacaaant ttnaatncnc cattatacng     · 120
gtnattttnc aaaatctaaa nnttattcaa atntnagcca aantccttac ncaaatnnaa     180
tacncncaaa aatcaaaaat atacntntct ttcagcaaac ttngttacat aaattaaaaa     240·
aatatatacg gctggtgttt tcaaagtaca attatcttaa cactgcaaac atntttnnaa·     300
·ggaactaaaa taaaaaaaaa cactnccgca ·aaggttaaag ·ggaacaacaa attcntttta·     360·
·caacancnnc nattataaaa atcatatctc aaatcttagg· ggaatatata cttcacacng     ·420·
·ggatcttaac ttttactnca ctttgtttat ttttttanaa ccattgtntt gggcccaaca ·    · 480 ·
·caatggnaat nccnccncnc tggactagt                                         509·.
```

        <210> 203
        <211> 583
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(583)
        <223> n = A,T,C or G

        <400> 203
```
tttttttttt tttttttga ccccccctctt ataaaaaaca agttaccatt ttattttact      .60
tacacatatt tattttataa ttggtattag atattcaaaa ggcagctttt aaaatcaaac      120·
taaatggaaa ctgccttaga tacataattc ttaggaatta gcttaaaatc tgcctaaagt      180
gaaaatcttc tctagctctt ttgactgtaa atttttgact cttgtaaaac atccaaattc      240
atttttcttg tctttaaaat tatctaatct ttccattttt tccctattcc aagtcaattt      300
gcttctctag cctcatttcc tagctcttat ctactattag taagtggctt ttttcctaaa      360
agggaaaaca ggaagagana atggcacaca aaàcaaacat tttatattca tatttctacc      420
tacgttaata aaatagcatt ttgtgaagcc agctcaaaag aaggcttaga tcctttatg       480
tccatttag tcactaaacg atatcnaaag tgccagaatg caaaaggttt gtgaacattt       540
attcaaaagc taatataaga tatttcacat actcatcttt ctg                        583
```

        <210> 204
        <211> 589
        <212> DNA
        <213> Homo sapien

```
<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 204
tttttttttnt tttttttttt ttttttnctc ttctttttttt ttganaatga ggatcgagtt       60
tttcactctc tagatagggc atgaagaaaa ctcatctttc cagctttaaa ataacaatca      120
aatctcttat gctatatcat attttaagtt aaactaatga gtcactggct tatcttctcc      180
tgaaggaaat ctgttcattc ttctcattca tatagttata tcaagtacta ccttgcatat      240
tgagaggttt ttcttctcta tttacacata tatttccatg tgaatttgta tcaaaccttt      300
attttcatgc aaactagaaa ataatgtntt cttttgcata agagaagaga acaatatnag      360
cattacaaaa ctgctcaaat tgtttgttaa gnttatccat tataattagt tnggcaggag      420
ctaatacaaa tcacatttac ngacnagcaa taataaaact gaagtaccag ttaaatatcc      480
aaaataatta aaggaacatt tttagcctgg gtataattag ctaattcact ttacaagcat      540
ttattnagaa tgaattcaca tgttattatt ccntagccca acacaatgg                  589


        <210> 205
        <211> 545
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(545)
        <223> n = A,T,C or G

        <400> 205
tttttntttt tttttcagt aataatcaga acaatattta tttttatatt taaaattcat       60
agaaaagtgc cttacattta ataaaagttt gtttctcaaa gtgatcagag gaattagata      120
tngtcttgaa caccaatatt aatttgagga aaatacacca aaatacatta agtaaattat      180
ttaagatcat agagcttgta agtgaaaaga taaaatttga cctcagaaac tctgagcatt      240
aaaaatccac tattagcaaa taaattacta tggacttctt gctttaattt tgtgatgaat      300
atggggtgtc actggtaaac caacacattc tgaaggatac attacttagt gatagattct      360
tatgtacttt gctanatnac gtggatatga gttgacaagt ttctctttct tcaatctttt      420
aaggggcnga ngaaatgagg aagaaaagaa aaggattacg catactgttc tttctatngg      480
aaggattaga tatgtttcct ttgccaatat taaaaaaata ataatgttta ctactagtga      540
aaccc                                                                   545


        <210> 206
        <211> 487
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(487)
        <223> n = A,T,C or G

        <400> 206
tttttttttt tttttagtc aagtttctna tttttattat aattaaagtc ttggtcattt       60
catttattag ctctgcaact tacatattta aattaaagaa acgttnttag acaactgtna      120
caatttataa atgtaaggtg ccattattga gtanatatat tcctccaaga gtggatgtgt      180
cccttctccc accaactaat gaancagcaa cattagttta attttattag tagatnatac      240
actgctgcaa acgctaattc tcttctccat ccccatgtng atattgtgta tatgtgtgag      300
```

```
ttggtnagaa tgcatcanca atctnacaat caacagcaag atgaagctag gcntgggctt      360
tcggtgaaaa tagactgtgt ctgtctgaat caaatgatct gacctatcct cggtggcaag      420
aactcttcga accgcttcct caaaggcngc tgccacattt gtggcntctn ttgcacttgt      480
ttcaaaa                                                                487
```

```
<210> 207
<211> 332
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 207
```
```
tgaattggct aaaagactgc atttttanaa ctagcaactc ttatttcttt cctttaaaaa       60
tacatagcat taaatcccaa atcctattta aagacctgac agcttgagaa ggtcactact      120
gcatttatag gaccttctgg tggttctgct gttacntttg aantctgaca atccttgana      180
atctttgcat gcagaggagg taaaaggtat tggattttca cagaggaana acacagcgca      240
gaaatgaagg ggccaggctt actgagcttg tccactggag ggctcatggg tgggacatgg      300
aaaagaaggc agcctaggcc ctggggagcc ca                                    332
```

```
<210> 208
<211> 524
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 208
```
```
agggcgtggt gcggagggcg ttactgtttt gtctcagtaa caataaatac aaaaagactg       60
gttgtgttcc ggccccatcc aaccacgaag ttgatttctc ttgtgtgcag agtgactgat      120
tttaaaggac atggagcttg tcacaatgtc acaatgtcac agtgtgaagg gcacactcac      180
tcccgcgtga ttcacattta gcaaccaaca atagctcatg agtccatact tgtaaatact      240
tttggcagaa tacttnttga aacttgcaga tgataactaa gatccaagat atttcccaaa      300
gtaaatagaa gtgggtcata atattaatta cctgttcaca tcagcttcca tttacaagtc      360
atgagcccag acactgacat caaactaagc ccacttagac tcctcaccac cagtctgtcc      420
tgtcatcaga caggaggctg tcaccttgac caaattctca ccagtcaatc atctatccaa      480
aaaccattac ctgatccact ccggtaatg caccaccttg gtga                        524
```

```
<210> 209
<211> 159
<212> DNA
<213> Homo sapien

<400> 209
```
```
gggtgaggaa atccagagtt gccatggaga aaattccagt gtcagcattc ttgctccttg       60
tggccctctc ctacactctg gccagagata ccacagtcaa acctggagcc aaaaaggaca      120
caaaggactc tcgacccaaa ctgccccaga ccctctcca                             159
```

```
<210> 210
```

<211> 256
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 210
```
actccctggc agacaaaggc agaggagaga gctctgttag ttctgtgttg ttgaactgcc      60
actgaatttc tttccacttg gactattaca tgccanttga gggactaatg gaaaaacgta     120
tggggagatt ttanccaatt tangtntgta aatggggaga ctggggcagg cgggagagat     180
ttgcagggtg naaatgggan ggctggtttg ttanatgaac agggacatag gaggtaggca     240
ccaggatgct aaatca                                                     256
```

<210> 211
<211> 264
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 211
```
acattgtttt tttgagataa agcattgaga gagctctcct taacgtgaca caatggaagg      60
actggaacac atacccacat ctttgttctg agggataatt ttctgataaa gtcttgctgt     120
atattcaagc acatatgtta tatattattc agttccatgt ttatagccta gttaaggaga     180
ggggagatac attcngaaag aggactgaaa gaaatactca agtnggaaaa cagaaaaaga     240
aaaaaaggag caaatgagaa gcct                                            264
```

<210> 212
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 212
```
acccaaaaat ccaatgctga atatttggct tcattattcc canattcttt gattgtcaaa      60
ggatttaatg ttgtctcagc ttgggcactt cagttaggac ctaaggatgc cagccggcag     120
gtttatatat gcagcaacaa tattcaagcg cgacaacagg ttattgaact tgcccgccag     180
ttnaatttca ttcccattga cttgggatcc ttatcatcag ccagagagat tgaaaattta     240
cccctacnac tctttactct ctgganaggg ccagtggtgg tagctataag cttggccaca     300
ttttttttc ctttattcct ttgtcaga                                         328
```

<210> 213
<211> 250
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 213
acttatgagc agagcgacat atccnagtgt agactgaata aaactgaatt ctctccagtt   60
taaagcattg ctcactgaag ggatagaagt gactgccagg agggaaagta agccaaggct   120
cattatgcca aagganatat acatttcaat tctccaaact tcttcctcat tccaagagtt   180
ttcaatattt gcatgaacct gctgataanc catgttaana aacaaatatc tctctnacct   240
tctcatcggt   250

<210> 214
<211> 444
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 214
acccagaatc caatgctgaa tatttggctt cattattccc agattctttg attgtcaaag   60
gatttaatgt tgtctcagct tgggcacttc agttaggacc taaggatgcc agccggcagg   120
tttatatatg cagcaacaat attcaagcgc gacaacaggt tattgaactt gcccgccagt   180
tgaatttcat tcccattgac ttgggatcct tatcatcagc canagagatt gaaaatttac   240
ccctacgact ctttactctc tggagagggc cagtggtggt agctataagc ttggccacat   300
tttttttcc tttattcctt tgtcagagat gcgattcatc catatgctan aaaccaacag   360
agtgactttt acaaaattcc tataganatt gtgaataaaa ccttacctat agttgccatt   420
actttgctct ccctaatata cctc   444

<210> 215
<211> 366
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 215
acttatgagc agagcgacat atccaagtgt anactgaata aaactgaatt ctctccagtt   60
taaagcattg ctcactgaag ggatagaagt gactgccagg agggaaagta agccaaggct   120
cattatgcca aagganatat acatttcaat tctccaaact tcttcctcat tccaagagtt   180
ttcaatattt gcatgaacct gctgataagc catgttgaga aacaaatatc tctctgacct   240
tctcatcggt aagcagaggc tgtaggcaac atggaccata gcgaanaaaa aacttagtaa   300
tccaagctgt tttctacact gtaaccaggt ttccaaccaa ggtggaaatc tcctatactt   360
ggtgcc   366

<210> 216
<211> 260
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 216
ctgtataaac agaactccac tgcangaggg agggccgggc caggagaatc tccgcttgtc   60
caagacaggg gcctaaggag ggtctccaca ctgctnntaa gggctnttnc attttttat   120
taataaaaag tnnaaaaggc ctcttctcaa cttttttccc ttnggctgga aaatttaaaa   180
atcaaaaatt tcctnaagtt ntcaagctat catatatact ntatcctgaa aaagcaacat   240
aattcttcct tccctccttt   260

<210> 217
<211> 262
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 217
acctacgtgg gtaagtttan aaatgttata atttcaggaa naggaacgca tataattgta   60
tcttgcctat aattttctat tttaataagg aaatagcaaa ttggggtggg gggaatgtag   120
ggcattctac agtttgagca aaatgcaatt aaatgtggaa ggacagcact gaaaaatttt   180
atgaataatc tgtatgatta tatgtctcta gagtagattt ataattagcc acttacccta   240
atatccttca tgcttgtaaa gt   262

<210> 218
<211> 205
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

<400> 218
accaaggtgg tgcattaccg gaantggatc aangacacca tcgtggccaa cccctgagca   60
cccctatcaa ctcccttttg tagtaaactt ggaaccttgg aaatgaccag gccaagactc   120
aggcctcccc agttctactg acctttgtcc ttangtntna ngtccagggt tgctaggaaa   180
anaaatcagc agacacaggt gtaaa   205

<210> 219
<211> 114
<212> DNA
<213> Homo sapien

<400> 219
tactgttttg tctcagtaac aataaataca aaaagactgg ttgtgttccg gccccatcca   60
accacgaagt tgatttctct tgtgtgcaga gtgactgatt ttaaaggaca tgga   114

```
<210> 220
<211> 93
<212> DNA
<213> Homo sapien

<400> 220
actagccagc acaaaaggca gggtagcctg aattgctttc tgctctttac atttctttta      60
aaataagcat ttagtgctca gtccctactg agt                                    93


<210> 221
<211> 167
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 221
actangtgca ggtgcgcaca aatatttgtc gatattccct tcatcttgga ttccatgagg       60
tcttttgccc agcctgtggc tctactgtag taagtttctg ctgatgagga gccagnatgc      120
cccccactac cttccctgac gctccccana aatcacccaa cctctgt                    167


<210> 222
<211> 351
<212> DNA
<213> Homo sapien

<400> 222
agggcgtggt gcggagggcg gtactgacct cattagtagg aggatgcatt ctggcacccc       60
gttcttcacc tgtcccccaa tccttaaaag gccatactgc ataaagtcaa caacagataa      120
atgtttgctg aattaaagga tggatgaaaa aaattaataa tgaatttttg cataatccaa      180
ttttctcttt tatatttcta gaagaagttt ctttgagcct attagatccc gggaatcttt      240
taggtgagca tgattagaga gcttgtaggt tgcttttaca tatatctggc atatttgagt      300
ctcgtatcaa aacaatagat tggtaaaggt ggtattattg tattgataag t              351


<210> 223
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 223
aaaacaaaca aacaaaaaaa acaattcttc attcagaaaa attatcttag ggactgatat       60
tggtaattat ggtcaatta atwrtrttkt ggggcatttc cttacattgt cttgacaaga      120
ttaaaatgtc tgtgccaaaa ttttgtattt tatttggaga cttcttatca aaagtaatgc      180
tgccaaagga agtctaagga attagtagtg ttcccmtcac ttgtttggag tgtgctattc      240
taaaagattt tgatttcctg gaatgacaat tatattttaa ctttggtggg ggaaanagtt      300
ataggaccac agtcttcact tctgatactt gtaaattaat cttttattgc acttgttttg      360
```

accattaagc tatatgttta aaa   383

        <210> 224
        <211> 320
        <212> DNA
        <213> Homo sapien

        <400> 224
cccctgaagg cttcttgtta gaaaatagta cagttacaac caataggaac aacaaaaaga   60
aaaagtttgt gacattgtag tagggagtgt gtacccctta ctccccatca aaaaaaaaat   120
ggatacatgg ttaaaggata raagggcaat attttatcat atgttctaaa agagaaggaa   180
gagaaaatac tactttctcr aaatggaagc ccttaaaggt gctttgatac tgaaggacac   240
aaatgtggcc gtccatcctc ctttaragtt gcatgacttg gacacggtaa ctgttgcagt   300
tttaractcm gcattgtgac   320

        <210> 225
        <211> 1214
        <212> DNA
        <213> Homo sapien

        <400> 225
gaggactgca gcccgcactc gcagccctgg caggcggcac tggtcatgga aaacgaattg   60
ttctgctcgg gcgtcctggt gcatccgcag tgggtgctgt cagccgcaca ctgtttccag   120
aactcctaca ccatcgggct gggcctgcac agtcttgagg ccgaccaaga gccagggagc   180
cagatggtgg aggccagcct ctccgtacgg cacccagagt acaacagacc cttgctcgct   240
aacgacctca tgctcatcaa gttggacgaa tccgtgtccg agtctgacac catccggagc   300
atcagcattg cttcgcagtg ccctaccgcg gggaactctt gcctcgtttc tggctggggt   360
ctgctggcga acggcagaat gcctaccgtg ctgcagtgcg tgaacgtgtc ggtggtgtct   420
gaggaggtct gcagtaagct ctatgacccg ctgtaccacc ccagcatgtt ctgcgccggc   480
ggagggcaag accagaagga ctcctgcaac ggtgactctg gggggcccct gatctgcaac   540
gggtacttgc agggccttgt gtctttcgga aaagccccgt gtggccaagt tggcgtgcca   600
ggtgtctaca ccaacctctg caaattcact gagtggatag agaaaaccgt ccaggccagt   660
taactctggg gactgggaac ccatgaaatt gacccccaaa tacatcctgc ggaaggaatt   720
caggaatatc tgttcccagc ccctcctccc tcaggcccag gagtccaggc ccccagcccc   780
tcctccctca aaccaagggt acagatcccc agcccctcct ccctcagacc caggagtcca   840
gaccccccag cccctcctcc ctcagaccca ggagtccagc ccctcctccc tcagacccag   900
gagtccagac ccccagccc ctcctccctc agacccaggg gtccaggccc ccaacccctc   960
ctccctcaga ctcagaggtc caagccccca accctcctt ccccagaccc agaggtccag   1020
gtcccagccc ctcctccctc agacccagcg gtccaatgcc acctagactc tccctgtaca   1080
cagtgcccc ttgtggcacg ttgacccaac cttaccagtt ggtttttcat tttttgtccc   1140
tttcccctag atccagaaat aaagtctaag agaagcgcaa aaaaaaaaa aaaaaaaaa   1200
aaaaaaaaaa aaaa   1214

        <210> 226
        <211> 119
        <212> DNA
        <213> Homo sapien

        <400> 226
acccagtatg tgcagggaga cggaacccca tgtgacagcc cactccacca gggttcccaa   60
agaacctggc ccagtcataa tcattcatcc tgacagtggc aataatcacg ataaccagt   119

        <210> 227
        <211> 818
        <212> DNA

<213> Homo sapien

<400> 227

```
acaattcata gggacgacca atgaggacag ggaatgaacc cggctctccc ccagccctga    60
ttttttgctac atatggggtc cctttttcatt ctttgcaaaa acactgggtt ttctgagaac   120
acggacggtt cttagcacaa tttgtgaaat ctgtgtaraa ccgggctttg caggggagat   180
aattttcctc ctctggagga aaggtggtga ttgacaggca gggagacagt gacaaggcta   240
gagaaagcca cgctcggcct tctctgaacc aggatggaac ggcagccccc tgaaaacgaa   300
gcttgtcccc ttccaatcag ccacttctga gaaccccccat ctaacttcct actggaaaag   360
agggcctcct caggagcagt ccaagagttt tcaaagataa cgtgacaact accatctaga   420
ggaaagggtg caccctcagc agagaagccg agagcttaac tctggtcgtt tccagagaca   480
acctgctggc tgtcttggga tgcgcccagc ctttgagagg ccactacccc atgaacttct   540
gccatccact ggacatgaag ctgaggacac tgggcttcaa cactgagttg tcatgagagg   600
gacaggctct gccctcaagc cggctgaggg cagcaaccac tctcctcccc tttctcacgc   660
aaagccattc ccacaaatcc agaccatacc atgaagcaac gagacccaaa cagtttggct   720
caagaggata tgaggactgt ctcagcctgg ctttgggctg acaccatgca cacacacaag    780
gtccacttct aggttttcag cctagatggg agtcgtgt                            818
```

<210> 228
<211> 744
<212> DNA
<213> Homo sapien

<400> 228

```
actggagaca ctgttgaact tgatcaagac ccagaccacc ccaggtctcc ttcgtgggat    60
gtcatgacgt ttgacatacc tttggaacga gcctcctcct tggaagatgg aagaccgtgt   120
tcgtggccga cctggcctct cctggcctgt ttcttaagat gcggagtcac atttcaatgg   180
taggaaaagt ggcttcgtaa aatagaagag cagtcactgt ggaactacca aatggcgaga   240
tgctcggtgc acattggggt gctttgggat aaaagattta tgagccaact attctctggc   300
accagattct aggccagttt gttccactga agctttttccc acagcagtcc acctctgcag   360
gctggcagct gaatggcttg ccggtggctc tgtggcaaga tcacactgag atcgatgggt   420
gagaaggcta ggatgcttgt ctagtgttct tagctgtcac gttggctcct tccaggttgg   480
ccagacggtg ttggccactc ccttctaaaa cacaggcgcc ctcctggtga cagtgacccg   540
ccgtggtatg ccttggccca ttccagcagt cccagttatg catttcaagt ttggggtttg   600
ttctttttcgt taatgttcct ctgtgttgtc agctgtcttc atttcctggg ctaagcagca   660
ttgggagatg tggaccagag atccactcct taagaaccag tggcgaaaga cactttcttt   720
cttcactctg aagtagctgg tggt                                          744
```

<210> 229
<211> 300
<212> DNA
<213> Homo sapien

<400> 229

```
cgagtctggg ttttgtctat aaagtttgat ccctcctttt ctcatccaaa tcatgtgaac    60
cattacacat cgaaataaaa gaaaggtggc agacttgccc aacgccaggc tgacatgtgc   120
tgcagggttg ttgttttttta attattattg ttagaaacgt cacccacagt ccctgttaat   180
ttgtatgtga cagccaactc tgagaaggtc ctattttttcc acctgcagag gatccagtct   240
cactaggctc ctccttgccc tcacactgga gtctccgcca gtgtgggtgc ccactgacat   300
```

<210> 230
<211> 301
<212> DNA
<213> Homo sapien

<400> 230

```
cagcagaaca aatacaaata tgaagagtgc aaagatctca taaaatctat gctgaggaat     60
gagcgacagt tcaaggagga gaagcttgca gagcagctca agcaagctga ggagctcagg    120
caatataaag tcctggttca cactcaggaa cgagagctga cccagttaag ggagaagttg    180
cgggaaggga gagatgcctc cctctcattg aatgagcatc tccaggccct cctcactccg    240
gatgaaccgg acaagtccca ggggcaggac ctccaagaaa cagacctcgg ccgcgaccac    300
g                                                                    301
```

<210> 231
<211> 301
<212> DNA
<213> Homo sapien

<400> 231

```
gcaagcacgc tggcaaatct ctgtcaggtc agctccagag aagccattag tcattttagc     60
caggaactcc aagtccacat ccttggcaac tggggacttg cgcaggttag ccttgaggat    120
ggcaacacgg gacttctcat caggaagtgg gatgtagatg agctgatcaa gacggccagg    180
tctgaggatg gcaggatcaa tgatgtcagg ccggttggta ccgccaatga tgaacacatt    240
tttttttgtg gacatgccat ccatttctgt caggatctgg ttgatgactc ggtcagcagc    300
c                                                                    301
```

<210> 232
<211> 301
<212> DNA
<213> Homo sapien

<400> 232

```
agtaggtatt tcgtgagaag ttcaacacca aaactggaac atagttctcc ttcaagtgtt     60
ggcgacagcg gggcttcctg attctggaat ataactttgt gtaaattaac agccacctat    120
agaagagtcc atctgctgtg aaggagagac agagaactct gggttccgtc gtcctgtcca    180
cgtgctgtac caagtgctgg tgccagcctg ttacctgttc tcactgaaaa tctggctaat    240
gctcttgtgt atcacttctg attctgacaa tcaatcaatc aatggcctag agcactgact    300
g                                                                    301
```

<210> 233
<211> 301
<212> DNA
<213> Homo sapien

<400> 233

```
atgactgact tcccagtaag gctctctaag gggtaagtag gaggatccac aggatttgag     60
atgctaaggc cccagagatc gtttgatcca accctcttat tttcagaggg gaaaatgggg    120
cctagaagtt acagagcatc tagctggtgc gctggcaccc ctggcctcac acagactccc    180
gagtagctgg gactacaggc acacagtcac tgaagcaggc cctgttagca attctatgcg    240
tacaaattaa catgagatga gtagagactt tattgagaaa gcaagagaaa atcctatcaa    300
c                                                                    301
```

<210> 234
<211> 301
<212> DNA
<213> Homo sapien

<400> 234

```
aggtcctaca catcgagact catccatgat tgatatgaat ttaaaaatta caagcaaaga     60
cattttattc atcatgatgc tttcttttgt ttcttctttt cgttttcttc tttttctttt    120
```

```
tcaatttcag caacatactt ctcaatttct tcaggattta aaatcttgag ggattgatct       180
cgcctcatga cagcaagttc aatgtttttg ccacctgact gaaccacttc caggagtgcc       240
ttgatcacca gcttaatggt cagatcatct gcttcaatgg cttcgtcagt atagttcttc       300
t                                                                       301
```

```
        <210> 235
        <211> 283
        <212> DNA
        <213> Homo sapien


        <400> 235
tggggctgtg catcaggcgg gtttgagaaa tattcaattc tcagcagaag ccagaatttg        60
aattccctca tcttttaggg aatcatttac caggtttgga gaggattcag acagctcagg       120
tgctttcact aatgtctctg aacttctgtc cctctttgtt catggatagt ccaataaata       180
atgttatctt tgaactgatg ctcataggag agaatataag aactctgagt gatatcaaca       240
ttagggattc aaagaaatat tagatttaag ctcacactgg tca                        283
```

```
        <210> 236
        <211> 301
        <212> DNA
        <213> Homo sapien


        <400> 236
aggtcctcca ccaactgcct gaagcacggt taaaattggg aagaagtata gtgcagcata        60
aatactttta aatcgatcag atttccctaa cccacatgca atcttcttca ccagaagagg       120
tcggagcagc atcattaata ccaagcagaa tgcgtaatag ataaatacaa tggtatatag       180
tgggtagacg gcttcatgag tacagtgtac tgtggtatcg taatctggac ttgggttgta       240
aagcatcgtg taccagtcag aaagcatcaa tactcgacat gaacgaatat aaagaacacc       300
a                                                                       301
```

```
        <210> 237
        <211> 301
        <212> DNA
        <213> Homo sapien


        <400> 237
cagtggtagt ggtggtggac gtggcgttgg tcgtggtgcc ttttttggtg cccgtcacaa        60
actcaatttt tgttcgctcc tttttggcct tttccaattt gtccatctca attttctggg       120
ccttggctaa tgcctcatag taggagtcct cagaccagcc atgggatca aacatatcct        180
ttgggtagtt ggtgccaagc tcgtcaatgg cacagaatgg atcagcttct cgtaaatcta       240
gggttccgaa attctttctt cctttggata atgtagttca tatccattcc ctcctttatc       300
t                                                                       301
```

```
        <210> 238
        <211> 301
        <212> DNA
        <213> Homo sapien


        <400> 238
gggcaggttt ttttttttt ttttttgatg gtgcagaccc ttgctttatt tgtctgactt        60
gttcacagtt cagcccctg ctcagaaaac caacgggcca gctaaggaga ggaggaggca       120
ccttgagact tccggagtcg aggctctcca gggttcccca gcccatcaat cattttctgc       180
acccctgcc tgggaagcag ctccctgggg ggtgggaatg ggtgactaga agggatttca       240
gtgtgggacc cagggtctgt tcttcacagt aggaggtgga agggatgact aatttctta       300
t                                                                       301
```

```
<210> 239
<211> 239
<212> DNA
<213> Homo sapien

<400> 239
ataagcagct agggaattct ttatttagta atgtcctaac ataaaagttc acataactgc     60
ttctgtcaaa ccatgatact gagctttgtg acaacccaga aataactaag agaaggcaaa    120
cataatacct tagagatcaa gaaacattta cacagttcaa ctgtttaaaa atagctcaac    180
attcagccag tgagtagagt gtgaatgcca gcatacacag tatacaggtc cttcaggga     239

    <210> 240
    <211> 300
    <212> DNA
    <213> Homo sapien

    <400> 240
ggtcctaatg aagcagcagc ttccacattt taacgcaggt ttacggtgat actgtccttt     60
gggatctgcc ctccagtgga accttttaag gaagaagtgg gcccaagcta agttccacat    120
gctgggtgag ccagatgact tctgttccct ggtcactttc ttcaatgggg cgaatggggg    180
ctgccaggtt tttaaaatca tgcttcatct tgaagcacac ggtcacttca ccctcctcac    240
gctgtgggtg tactttgatg aaaatacccca ctttgttggc ctttctgaag ctataatgtc    300

    <210> 241
    <211> 301
    <212> DNA
    <213> Homo sapien

    <400> 241
gaggtctggt gctgaggtct ctgggctagg aagaggagtt ctgtggagct ggaagccaga     60
cctctttgga ggaaactcca gcagctatgt tggtgtctct gagggaatgc aacaaggctg    120
ctcctccatg tattggaaaa ctgcaaactg gactcaactg gaaggaagtg ctgctgccag    180
tgtgaagaac cagcctgagg tgacagaaac ggaagcaaac aggaacagcc agtcttttct    240
tcctcctcct gtcatacggt ctctctcaag catcctttgt tgtcagggc ctaaaaggga    300
g                                                                   301

    <210> 242
    <211> 301
    <212> DNA
    <213> Homo sapien

    <400> 242
ccgaggtcct gggatgcaac caatcactct gtttcacgtg actttatca ccatacaatt     60
tgtggcattt cctcattttc tacattgtag aatcaagagt gtaaataaat gtatatcgat    120
gtcttcaaga atatatcatt ccttttttcac tagaacccat tcaaaatata agtcaagaat    180
cttaatatca acaaatatat caagcaaact ggaaggcaga ataactacca taatttagta    240
taagtaccca aagtttata aatcaaaagc cctaatgata accatttta gaattcaatc     300
a                                                                   301

    <210> 243
    <211> 301
    <212> DNA
    <213> Homo sapien
```

<400> 243

```
aggtaagtcc cagtttgaag ctcaaaagat ctggtatgag cataggctca tcgacgacat        60
ggtggcccaa gctatgaaat cagagggagg cttcatctgg gcctgtaaaa actatgatgg       120
tgacgtgcag tcggactctg tggcccaagg gtatggctct ctcggcatga tgaccagcgt       180
gctggtttgt ccagatggca agacagtaga agcagaggct gcccacggga ctgtaacccg       240
tcactaccgc atgttccaga aaggacagga gacgtccacc aatcccattg cttccatttt       300
t                                                                        301
```

<210> 244
<211> 300
<212> DNA
<213> Homo sapien

<400> 244

```
gctggtttgc aagaatgaaa tgaatgattc tacagctagg acttaacctt gaaatggaaa        60
gtcatgcaat cccatttgca ggatctgtct gtgcacatgc ctctgtagag agcagcattc       120
ccagggacct tggaaacagt tgacactgta aggtgcttgc tccccaagac acatcctaaa       180
aggtgttgta atggtgaaaa cgtcttcctt ctttattgcc ccttcttatt tatgtgaaca       240
actgtttgtc ttttgtgtat ctttttaaa ctgtaaagtt caattgtgaa aatgaatatc       300
```

<210> 245
<211> 301
<212> DNA
<213> Homo sapien

<400> 245

```
gtctgagtat ttaaaatgtt attgaaatta tccccaacca atgttagaaa agaaagaggt        60
tatatactta gataaaaaat gaggtgaatt actatccatt gaaatcatgc tcttagaatt       120
aaggccagga gatattgtca ttaatgtara cttcaggaca ctagagtata gcagccctat       180
gttttcaaag agcagagatg caattaaata ttgtttagca tcaaaaaggc cactcaatac.      240
agctaataaa atgaaagacc taatttctaa agcaattctt tataatttac aaagtttaa       300
g                                                                        301
```

<210> 246
<211> 301
<212> DNA
<213> Homo sapien

<400> 246

```
ggtctgtcct acaatgcctg cttcttgaaa gaagtcggca ctttctagaa tagctaaata        60
acctgggctt attttaaaga actatttgta gctcagattg gttttcctat ggctaaaata       120
agtgcttctt gtgaaaatta aataaaacag ttaattcaaa gccttgatat atgttaccac       180
taacaatcat actaaatata ttttgaagta caaagtttga catgctctaa agtgacaacc       240
caaatgtgtc ttacaaaaca cgttcctaac aaggtatgct ttacactacc aatgcagaaa       300
c                                                                        301
```

<210> 247
<211> 301
<212> DNA
<213> Homo sapien

<400> 247

```
aggtcctttg gcagggctca tggatcagag ctcaaactgg agggaaaggc atttcgggta        60
gcctaagagg gcgactggcg gcagcacaac caaggaaggc aaggttgttt cccccacgct       120
gtgtcctgtg ttcaggtgcg acacacaatc ctcatgggaa caggatcacc catgcgctgc       180
```

```
ccttgatgat caaggttggg gcttaagtgg attaagggag gcaagttctg ggttccttgc    240
cttttcaaac catgaagtca ggctctgtat ccctcctttt cctaactgat attctaacta    300
a                                                                     301
```

        <210> 248
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 248
```
aggtccttgg agatgccatt tcagccgaag gactcttctw ttcggaagta caccctcact     60
attaggaaga ttcttagggg taattttct gaggaaggag aactagccaa cttaagaatt    120
acaggaagaa agtggtttgg aagacagcca aagaaataaa agcagattaa attgtatcag    180
gtacattcca gcctgttggc aactccataa aaacatttca gattttaatc ccgaatttag    240
ctaatgagac tggattttttg tttttttatgt tgtgtgtcgc agagctaaaa actcagttcc    300
c                                                                     301
```

        <210> 249
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 249
```
gtccagagga agcacctggt gctgaactag gcttgccctg ctgtgaactt gcacttggag     60
ccctgacgct gctgttctcc ccgaaaaacc cgaccgacct ccgcgatctc cgtcccgccc    120
ccagggagac acagcagtga ctcagagctg gtcgcacact gtgcctccct cctcaccgcc    180
catcgtaatg aattattttg aaaattaatt ccaccatcct ttcagattct ggatggaaag    240
actgaatctt tgactcagaa ttgtttgctg aaaagaatga tgtgactttc ttagtcattt    300
a                                                                     301
```

        <210> 250
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 250
```
ggtctgtgac aaggacttgc aggctgtggg aggcaagtga cccttaacac tacacttctc     60
cttatcttta ttggcttgat aaacataatt atttctaaca ctagcttatt tccagttgcc    120
cataagcaca tcagtacttt tctctggctg gaatagtaaa ctaaagtatg gtacatctac    180
ctaaaagact actatgtgga ataatacata ctaatgaagt attacatgat ttaaagacta    240
caataaaacc aaacatgctt ataacattaa gaaaaacaat aaagatacat gattgaaacc    300
a                                                                     301
```

        <210> 251
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 251
```
gccgaggtcc tacatttggc ccagtttccc cctgcatcct ctccagggcc cctgcctcat     60
agacaacctc atagagcata ggagaactgg ttgccctggg ggcaggggga ctgtctggat    120
ggcaggggtc ctcaaaaatg ccactgtcac tgccaggaaa tgcttctgag cagtacacct    180
cattgggatc aatgaaaagc ttcaagaaat cttcaggctc actctcttga aggcccggaa    240
cctctggagg ggggcagtgg aatcccagct ccaggacgga tcctgtcgaa aagatatcct    300
c                                                                     301
```

```
<210> 252
<211> 301
<212> DNA
<213> Homo sapien

<400> 252
gcaaccaatc actctgtttc acgtgacttt tatcaccata caatttgtgg catttcctca      60
ttttctacat tgtagaatca agagtgtaaa taaatgtata tcgatgtctt caagaatata     120
tcattccttt ttcactagga acccattcaa aatataagtc aagaatctta atatcaacaa     180
atatatcaag caaactggaa ggcagaataa ctaccataat ttagtataag tacccaaagt     240
tttataaatc aaaagcccta atgataacca tttttagaat tcaatcatca ctgtagaatc     300
a                                                                      301


<210> 253
<211> 301
<212> DNA
<213> Homo sapien

<400> 253
ttccctaaga agatgttatt ttgttgggtt ttgttccccc tccatctcga ttctcgtacc      60
caactaaaaa aaaaaaataa agaaaaaatg tgctgcgttc tgaaaaataa ctccttagct     120
tggtctgatt gttttcagac cttaaaatat aaacttgttt cacaagcttt aatccatgtg     180
gatttttttt cttagagaac cacaaaacat aaaaggagca agtcggactg aatacctgtt     240
tccatagtgc ccacagggta ttcctcacat tttctccata ggaaaatgct ttttcccaag     300
g                                                                      301


<210> 254
<211> 301
<212> DNA
<213> Homo sapien

<400> 254
cgctgcgcct ttcccttggg ggaggggcaa ggccagaggg ggtccaagtg cagcacgagg      60
aacttgacca attcccttga agcgggtggg ttaaaccctg taaatgggaa caaaatcccc     120
ccaaatctct tcatcttacc ctggtggact cctgactgta gaattttttg gttgaaacaa     180
gaaaaaaata aagctttgga cttttcaagg ttgcttaaca ggtactgaaa gactggcctc     240
acttaaactg agccaggaaa agctgcagat ttattaatgg gtgtgttagt gtgcagtgcc     300
t                                                                      301


<210> 255
<211> 302
<212> DNA
<213> Homo sapien

<400> 255
agcttttttt tttttttttt tttttttttt ttcattaaaa aatagtgctc tttattataa      60
attactgaaa tgtttctttt ctgaatataa atataaatat gtgcaaagtt tgacttggat     120
tgggattttg ttgagttctt caagcatctc ctaataccct caagggcctg agtaggggg     180
aggaaaaagg actggaggtg gaatctttat aaaaaacaag agtgattgag gcagattgta     240
aacattatta aaaacaaga aacaaacaaa aaaatagaga aaaaaccac cccaacacac     300
aa                                                                     302


<210> 256
<211> 301
```

```
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 256
gttccagaaa acattgaagg tggcttccca aagtctaact agggataccc cctctagcct        60
aggaccctcc tccccacacc tcaatccacc aaaccatcca taatgcaccc agataggccc       120
acccccaaaa gcctggacac cttgagcaca cagttatgac caggacagac tcatctctat       180
aggcaaatag ctgctggcaa actggcatta cctggtttgt ggggatgggg gggcaagtgt       240
gtggcctctc ggcctggtta gcaagaacat tcagggtagg cctaagttan tcgtgttagt       300
t                                                                        301


<210> 257
<211> 301
<212> DNA
<213> Homo sapien

<400> 257
gttgtggagg aactctggct tgctcattaa gtcctactga ttttcactat cccctgaatt        60
tccccactta tttttgtctt tcactatcgc aggccttaga agaggtctac ctgcctccag       120
tcttacctag tccagtctac cccctggagt tagaatggcc atcctgaagt gaaaagtaat       180
gtcacattac tcccttcagt gatttcttgt agaagtgcca atccctgaat gccaccaaga       240
tcttaatctt cacatcttta atcttatctc tttgactcct ctttacaccg gagaaggctc       300
c                                                                        301


<210> 258
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 258
cagcagtagt agatgccgta tgccagcacg cccagcactc ccaggatcag caccagcacc        60
aggggcccag ccaccaggcg cagaagcaag ataaacagta ggctcaagac cagagccacc       120
cccagggcaa caagaatcca ataccaggac tgggcaaaat cttcaaagat cttaacactg       180
atgtctcggg cattgaggct gtcaataana cgctgatccc ctgctgtatg gtggtgtcat       240
tggtgatccc tgggagcgcc ggtggagtaa cgttggtcca tggaaagcag cgcccacaac       300
t                                                                        301


<210> 259
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
```

<223> n = A,T,C or G

<400> 259

```
tcatatatgc aaacaaatgc agactangcc tcaggcagag actaaaggac atctcttggg      60
gtgtcctgaa gtgatttgga cccctgaggg cagacaccta agtaggaatc ccagtgggaa     120
gcaaagccat aaggaagccc aggattcctt gtgatcagga agtgggccag gaaggtctgt     180
tccagctcac atctcatctg catgcagcac ggaccggatg cgcccactgg gtcttggctt     240
ccctcccatc ttctcaagca gtgtccttgt tgagccattt gcatccttgg ctccaggtgg     300
c                                                                     301
```

<210> 260
<211> 301
<212> DNA
<213> Homo sapien

<400> 260

```
ttttttttct ccctaaggaa aaagaaggaa caagtctcat aaaaccaaat aagcaatggt      60
aaggtgtctt aacttgaaaa agattaggag tcactggttt acaagttata attgaatgaa     120
agaactgtaa cagccacagt tggccatttc atgccaatgg cagcaaacaa caggattaac     180
tagggcaaaa taaataagtg tgtggaagcc ctgataagtg cttaataaac agactgattc     240
actgagacat cagtacctgc ccgggcggcc gctcgagccg aattctgcag atatccatca     300
c                                                                     301
```

<210> 261
<211> 301
<212> DNA
<213> Homo sapien

<400> 261

```
aaatattcga gcaaatcctg taactaatgt gtctccataa aaggctttga actcagtgaa      60
tctgcttcca tccacgattc tagcaatgac ctctcggaca tcaaagctcc tcttaaggtt     120
agcaccaact attccataca attcatcagc aggaaataaa ggctcttcag aaggttcaat     180
ggtgacatcc aatttcttct gataatttag attcctcaca accttcctag ttaagtgaag     240
ggcatgatga tcatccaaag cccagtggtc acttactcca gactttctgc aatgaagatc     300
a                                                                     301
```

<210> 262
<211> 301
<212> DNA
<213> Homo sapien

<400> 262

```
gaggagagcc tgttacagca tttgtaagca cagaatactc caggagtatt tgtaattgtc      60
tgtgagcttc ttgccgcaag tctctcagaa atttaaaaag atgcaaatcc ctgagtcacc     120
cctagacttc ctaaaccaga tcctctgggg ctggaacctg gcactctgca tttgtaatga     180
gggctttctg gtgcacacct aatttttgtgc atctttgccc taaatcctgg attagtgccc     240
catcattacc cccacattat aatgggatag attcagagca gatactctcc agcaaagaat     300
c                                                                     301
```

<210> 263
<211> 301
<212> DNA
<213> Homo sapien

<220>

```
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 263
tttagcttgt ggtaaatgac tcacaaaact gattttaaaa tcaagttaat gtgaattttg      60
aaaattacta cttaatccta attcacaata acaatggcat taaggtttga cttgagttgg     120
ttcttagtat tatttatggt aaataggctc ttaccacttg caaataactg gccacatcat     180
taatgactga cttcccagta aggctctcta aggggtaagt angaggatcc acaggatttg     240
agatgctaag gccccagaga tcgtttgatc caaccctctt attttcagag gggaaaatgg     300
g                                                                     301


<210> 264
<211> 301
<212> DNA
<213> Homo sapien

<400> 264
aaagacgtta aaccactcta ctaccacttg tggaactctc aaagggtaaa tgacaaascc      60
aatgaatgac tctaaaaaca atatttacat ttaatggttt gtagacaata aaaaaacaag     120
gtggatagat ctagaattgt aacattttaa gaaaaccata scatttgaca gatgagaaag     180
ctcaattata gatgcaaagt tataactaaa ctactatagt agtaaagaaa tacatttcac     240
acccttcata taaattcact atcttggctt gaggcactcc ataaaatgta tcacgtgcat     300
a                                                                     301


<210> 265
<211> 301
<212> DNA
<213> Homo sapien

<400> 265
tgcccaagtt atgtgtaagt gtatccgcac ccagaggtaa aactacactg tcatctttgt      60
cttcttgtga cgcagtattt cttctctggg gagaagccgg gaagtcttct cctggctcta     120
catattcttg gaagtctcta atcaactttt gttccatttg tttcatttct tcaggaggga     180
ttttcagttt gtcaacatgt tctctaacaa cacttgccca tttctgtaaa gaatccaaag     240
cagtccaagg ctttgacatg tcaacaacca gcataactag agtatccttc agagatacgg     300
c                                                                     301


<210> 266
<211> 301
<212> DNA
<213> Homo sapien

<400> 266
taccgtctgc ccttcctccc atccaggcca tctgcgaatc tacatgggtc ctcctattcg      60
acaccagatc actctttcct ctacccacag gcttgctatg agcaagagac acaacctcct     120
ctcttctgtg ttccagcttc ttttcctgtt cttcccaccc cttaagttct attcctgggg     180
atagagacac caatacccat aacctctctc ctaagcctcc ttataaccca gggtgcacag     240
cacagactcc tgacaactgg taaggccaat gaactgggag ctcacagctg gctgtgcctg     300
a                                                                     301


<210> 267
<211> 301
<212> DNA
<213> Homo sapien
```

<400> 267

```
aaagagcaca ggccagctca gcctgccctg gccatctaga ctcagcctgg ctccatgggg      60
gttctcagtg ctgagtccat ccaggaaaag ctcacctaga ccttctgagg ctgaatcttc     120
atcctcacag gcagcttctg agagcctgat attcctagcc ttgatggtct ggagtaaagc     180
ctcattctga ttcctctcct tcttttcttt caagttggct ttcctcacat ccctctgttc     240
aattcgcttc agcttgtctg ctttagccct catttccaga agcttcttct ctttggcatc     300
t                                                                     301
```

<210> 268
<211> 301
<212> DNA
<213> Homo sapien

<400> 268

```
aatgtctcac tcaactactt cccagcctac cgtggcctaa ttctgggagt tttcttctta      60
gatcttggga gagctggttc ttctaaggag aaggaggaag gacagatgta actttggatc     120
tcgaagagga agtctaatgg aagtaattag tcaacggtcc ttgtttagac tcttggaata     180
tgctgggtgg ctcagtgagc ccttttggag aaagcaagta ttattcttaa ggagtaacca     240
cttcccattg ttctactttc taccatcatc aattgtatat tatgtattct ttggagaact     300
a                                                                     301
```

<210> 269
<211> 301
<212> DNA
<213> Homo sapien

<400> 269

```
taacaatata cactagctat ctttttaact gtccatcatt agcaccaatg aagattcaat      60
aaaattacct ttattcacac atctcaaaac aattctgcaa attcttagtg aagtttaact     120
atagtcacag accttaaata ttcacattgt tttctatgtc tactgaaaat aagttcacta     180
cttttctgga tattctttac aaaatcttat taaaattcct ggtattatca cccccaatta     240
tacagtagca caaccacctt atgtagtttt tacatgatag ctctgtagaa gtttcacatc     300
t                                                                     301
```

<210> 270
<211> 301
<212> DNA
<213> Homo sapien

<400> 270

```
cattgaagag cttttgcgaa acatcagaac acaagtgctt ataaattaa ttaagcctta       60
cacaagaata catattcctt ttatttctaa ggagttaaac atagatgtag ctgatgtgga     120
gagcttgctg gtgcagtgca tattggataa cactattcat ggccgaattg atcaagtcaa     180
ccaactcctt gaactggatc atcagaagaa gggtggtgca cgatatactg cactagataa     240
tggaccaacc aactaaattc tctcaccagg ctgtatcagt aaactggctt aacagaaaac     300
a                                                                     301
```

<210> 271
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(301)
<223> n = A,T,C or G

<400> 271
aaaaggttct cataagatta acaatttaaa taaatatttg atagaacatt ctttctcatt   60
tttatagctc atctttaggg ttgatattca gttcatgctt cccttgctgt tcttgatcca   120
gaattgcaat cacttcatca gcctgtattc gctccaattc tctataaagt gggtccaagg   180
tgaaccacag agccacagca cacctctttc ccttggtgac tgccttcacc ccatganggt   240
tctctcctcc agatganaac tgatcatgcg cccacatttt gggttttata gaagcagtca   300
c   301

<210> 272
<211> 301
<212> DNA
<213> Homo sapien

<400> 272
taaattgcta agccacagat aacaccaatc aaatggaaca aatcactgtc ttcaaatgtc   60
ttatcagaaa accaaatgag cctggaatct tcataatacc taaacatgcc gtatttagga   120
tccaataatt ccctcatgat gagcaagaaa aattctttgc gcacccctcc tgcatccaca   180
gcatcttctc caacaaatat aaccttgagt ggcttcttgt aatctatgtt ctttgttttc   240
ctaaggactt ccattgcatc tcctacaata ttttctctac gcaccactag aattaagcag   300
g   301

<210> 273
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 273
acatgtgtgt atgtgtatct ttgggaaaan aanaagacat cttgtttayt attttttttgg   60
agagangctg ggacatggat aatcacwtaa tttgctayta tyactttaat ctgactygaa   120
gaaccgtcta aaaataaaat ttaccatgtc dtatattcct tatagtatgc ttatttcacc   180
ttytttctgt ccagagagag tatcagtgac ananatttma gggtgaamac atgmattggt   240
gggacttnty tttacngagm accctgcccg sgcgccctcg makcngantt ccgcsananc   300
t   301

<210> 274
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 274
cttatatact ctttctcaga ggcaaaagag gagatgggta atgtagacaa ttctttgagg   60
aacagtaaat gattattaga gagaangaat ggaccaagga gacagaaatt aacttgtaaa   120

```
tgattctctt tggaatctga atgagatcaa gaggccagct ttagcttgtg gaaaagtcca      180
tctaggtatg gttgcattct cgtcttcttt tctgcagtag ataatgaggt aaccgaaggc      240
aattgtgctt cttttgataa gaagctttct tggtcatatc aggaaattcc aganaaagtc      300
c                                                                       301
```

        <210> 275
        <211> 301
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(301)
        <223> n = A,T,C or G

        <400> 275
```
tcggtgtcag cagcacgtgg cattgaacat tgcaatgtgg agcccaaacc acagaaaatg       60
gggtgaaatt ggccaacttt ctattaactt atgttggcaa ttttgccacc aacagtaagc      120
tggcccttct aataaaagaa aattgaaagg tttctcacta aacggaatta agtagtggag      180
tcaagagact cccaggcctc agcgtacctg cccgggcggc cgctcgaagc cgaattctgc      240
agatatccat cacactggcg gncgctcgan catgcatcta gaaggnccaa ttcgccctat      300
a                                                                       301
```

        <210> 276
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 276
```
tgtacacata ctcaataaat aaatgactgc attgtggtat tattactata ctgattatat       60
ttatcatgtg acttctaatt agaaaatgta tccaaaagca aaacagcaga tatacaaaat      120
taaagagaca gaagatagac attaacagat aaggcaactt atacattgag aatccaaatc      180
caatacattt aaacatttgg gaaatgaggg ggacaaatgg aagccagatc aaatttgtgt      240
aaaactattc agtatgtttc ccttgcttca tgtctgagaa ggctctcctt caatggggat      300
g                                                                       301
```

        <210> 277
        <211> 301
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(301)
        <223> n = A,T,C or G

        <400> 277
```
tttgttgatg tcagtatttt attacttgcg ttatgagtgc tcacctggga aattctaaag       60
atacagagga cttggaggaa gcagagcaac tgaatttaat ttaaaagaag gaaaacattg      120
gaatcatggc actcctgata ctttcccaaa tcaacactct caatgcccca ccctcgtcct      180
caccatagtg gggagactaa agtggccacg gatttgcctt angtgtgcag tgcgttctga      240
gttcnctgtc gattacatct gaccagtctc cttttttccga agtccntccg ttcaatcttg      300
c                                                                       301
```

        <210> 278

```
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 278
taccactaca ctccagcctg ggcaacagag caagacctgt ctcaaagcat aaaatggaat      60
aacatatcaa atgaaacagg gaaaatgaag ctgacaattt atggaagcca gggcttgtca     120
cagtctctac tgttattatg cattacctgg gaatttatat aagcccttaa taataatgcc     180
aatgaacatc tcatgtgtgc tcacaatgtt ctggcactat tataagtgct tcacaggttt     240
tatgtgttct tcgtaacttt atggantagg tactcggccg cgaacacgct aagccgaatt     300
c                                                                     301
```

```
<210> 279
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 279
aaagcaggaa tgacaaagct tgcttttctg gtatgttcta ggtgtattgt gactttact      60
gttatattaa ttgccaatat aagtaaatat agattatata tgtatagtgt ttcacaaagc     120
ttagaccttt accttccagc caccccacag tgcttgatat ttcagagtca gtcattggtt     180
atacatgtgt agttccaaag cacataagct agaanaanaa atatttctag ggagcactac     240
catctgtttt cacatgaaat gccacacaca tagaactcca acatcaattt cattgcacag     300
a                                                                     301
```

```
<210> 280
<211> 301
<212> DNA
<213> Homo sapien

<400> 280
ggtactggag ttttcctccc ctgtgaaaac gtaactactg ttgggagtga attgaggatg      60
tagaaaggtg gtggaaccaa attgtggtca atggaaatag gagaatatgg ttctcactct     120
tgagaaaaaa acctaagatt agcccaggta gttgcctgta acttcagttt ttctgcctgg     180
gtttgatata gtttagggtt ggggttagat taagatctaa attacatcag gacaaagaga     240
cagactatta actccacagt taattaagga ggtatgttcc atgtttattt gttaaagcag     300
t                                                                     301
```

```
<210> 281
<211> 301
<212> DNA
<213> Homo sapien

<400> 281
aggtacaaga aggggaatgg gaaagagctg ctgctgtggc attgttcaac ttggatattc      60
```

```
gccgagcaat ccaaatcctg aatgaagggg catcttctga aaaaggagat ctgaatctca      120
atgtggtagc aatggcttta tcgggttata cggatgagaa gaactccctt tggagagaaa      180
tgtgtagcac actgcgatta cagctaaata acccgtattt gtgtgtcatg tttgcatttc      240
tgacaagtga aacaggatct tacgatggag ttttgtatga aaacaaagtt gcagtacctc      300
g                                                                       301
```

        <210> 282
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 282

```
caggtactac agaattaaaa tactgacaag caagtagttt cttggcgtgc acgaattgca       60
tccagaaccc aaaaattaag aaattcaaaa agacattttg tgggcacctg ctagcacaga      120
agcgcagaag caaagcccag gcagaaccat gctaacctta cagctcagcc tgcacagaag      180
cgcagaagca aagcccaggc agaaccatgc taaccttaca gctcagcctg cacagaagcg      240
cagaagcaaa gcccaggcag aacatgctaa ccttacagct cagcctgcac agaagcacag      300
a                                                                       301
```

        <210> 283
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 283

```
atctgtatac ggcagacaaa ctttatarag tgtagagagg tgagcgaaag gatgcaaaag       60
cactttgagg gctttataat aatatgctgc ttgaaaaaaa aaatgtgtag ttgatactca      120
gtgcatctcc agacatagta aggggttgct ctgaccaatc aggtgatcat tttttctatc      180
acttcccagg ttttatgcaa aaattttgtt aaattctata atggtgatat gcatctttta      240
ggaaacatat acatttttaa aaatctattt tatgtaagaa ctgacagacg aatttgcttt      300
g                                                                       301
```

        <210> 284
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 284

```
caggtacaaa acgctattaa gtggcttaga atttgaacat ttgtggtctt tatttacttt       60
gcttcgtgtg tgggcaaagc aacatcttcc ctaaatatat attaccaaga aaagcaagaa      120
gcagattagg tttttgacaa aacaaacagg ccaaaagggg gctgacctgg agcagagcat      180
ggtgagaggc aaggcatgag agggcaagtt tgttgtggac agatctgtgc ctactttatt      240
actggagtaa aagaaaacaa agttcattga tgtcgaagga tatatacagt gttagaaatt      300
a                                                                       301
```

        <210> 285
        <211> 301
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(301)
        <223> n = A,T,C or G

<400> 285

```
acatcaccat gatcggatcc cccacccatt atacgttgta tgtttacata aatactcttc        60
aatgatcatt agtgttttaa aaaaaatact gaaaactcct tctgcatccc aatctctaac       120
caggaaagca aatgctattt acagacctgc aagccctccc tcaaacnaaa ctatttctgg       180
attaaatatg tctgacttct tttgaggtca cacgactagg caaatgctat ttacgatctg       240
caaaagctgt ttgaagagtc aaagcccccca tgtgaacacg atttctggac cctgtaacag       300
t                                                                       301
```

        <210> 286
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 286

```
taccactgca ttccagcctg ggtgacagag tgagactccg tctccaaaaa aaactttgct        60
tgtatattat ttttgcctta cagtggatca ttctagtagg aaaggacagt aagatttttt       120
atcaaaatgt gtcatgccag taagagatgt tatattcttt tctcatttct tccccaccca       180
aaaataagct accatatagc ttataagtct caaatttttg cctttactaa aaatgtgatt       240
gtttctgttc attgtgtatg cttcatcacc tatattaggc aaattccatt ttttcccttg       300
t                                                                       301
```

        <210> 287
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 287

```
tacagatctg ggaactaaat attaaaaatg agtgtggctg gatatatgga gaatgttggg        60
cccagaagga acgtagagat cagatattac aacagctttg ttttgagggt tagaaatatg       120
aaatgatttg gttatgaacg cacagtttag gcagcagggc cagaatcctg accctctgcc       180
ccgtggttat ctcctcccca gcttggctgc ctcatgttat cacagtattc cattttgttt       240
gttgcatgtc ttgtgaagcc atcaagattt tctcgtctgt tttcctctca ttggtaatgc       300
t                                                                       301
```

        <210> 288
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 288

```
gtacacctaa ctgcaaggac agctgaggaa tgtaatgggc agccgctttt aaagaagtag        60
agtcaatagg aagacaaatt ccagttccag ctcagtctgg gtatctgcaa agctgcaaaa       120
gatctttaaa gacaatttca agagaatatt tccttaaagt tggcaatttg gagatcatac       180
aaaagcatct gcttttgtga tttaatttag ctcatctggc cactggaaga atccaaacag       240
tctgccttaa ttttggatga atgcatgatg gaaattcaat aatttagaaa gttaaaaaaa       300
a                                                                       301
```

        <210> 289
        <211> 301
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(301)

<223> n = A,T,C or G

<400> 289

```
ggtacactgt ttccatgtta tgtttctaca cattgctacc tcagtgctcc tggaaactta    60
gcttttgatg tctccaagta gtccaccttc atttaactct ttgaaactgt atcatctttg   120
ccaagtaaga gtggtggcct atttcagctg ctttgacaaa atgactggct cctgacttaa   180
cgttctataa atgaatgtgc tgaagcaaag tgcccatggt ggcggcgaan aagagaaaga   240
tgtgtttttgt tttggactct ctgtggtccc ttccaatgct gtgggtttcc aaccagngga   300
a                                                                    301
```

<210> 290
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 290

```
acactgagct cttcttgata aatatacaga atgcttggca tatacaagat tctatactac    60
tgactgatct gttcatttct ctcacagctc ttacccccaa aagcttttcc accctaagtg   120
ttctgacctc ctttctaat cacagtaggg atagaggcag anccacctac aatgaacatg   180
gagttctatc aagaggcaga aacagcacag aatcccagtt ttaccattcg ctagcagtgc   240
tgccttgaac aaaaacattt ctccatgtct cattttcttc atgcctcaag taacagtgag   300
a                                                                    301
```

<210> 291
<211> 301
<212> DNA
<213> Homo sapien

<400> 291

```
caggtaccaa tttcttctat cctagaaaca tttcatttta tgttgttgaa acataacaac    60
tatatcagct agattttttt tctatgcttt acctgctatg gaaaatttga cacattctgc   120
tttactcttt tgtttatagg tgaatcacaa aatgtatttt tatgtattct gtagttcaat   180
agccatggct gtttacttca tttaatttat ttagcataaa gacattatga aaaggcctaa   240
acatgagctt cacttcccca ctaactaatt agcatctgtt atttcttaac cgtaatgcct   300
a                                                                    301
```

<210> 292
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 292

```
acctttttagt agtaatgtct aataataaat aagaaatcaa ttttataagg tccatatagc    60
tgtattaaat aatttttaag tttaaaagat aaaataccat cattttaaat gttggtattc   120
aaaaccaaag natataaccg aaaggaaaaa cagatgagac ataaaatgat ttgcnagatg   180
```

```
ggaaatatag tasttyatga atgttnatta aattccagtt ataatagtgg ctacacactc    240
tcactacaca cacagacccc acagtcctat atgccacaaa cacatttcca taacttgaaa    300
a                                                                    301
```

        <210> 293
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 293
```
ggtaccaagt gctggtgcca gcctgttacc tgttctcact gaaaagtctg gctaatgctc     60
ttgtgtagtc acttctgatt ctgacaatca atcaatcaat ggcctagagc actgactgtt    120
aacacaaacg tcactagcaa agtagcaaca gctttaagtc taaatacaaa gctgttctgt    180
gtgagaattt tttaaaaggc tacttgtata ataacccttg tcatttttaa tgtacctcgg    240
ccgcgaccac gctaagccga attctgcaga tatccatcac actggcggcc gctcgagcat    300
g                                                                    301
```

        <210> 294
        <211> 301
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(301)
        <223> n = A,T,C or G

        <400> 294
```
tgacccataa caatatacac tagctatctt tttaactgtc catcattagc accaatgaag     60
attcaataaa attacctttta ttcacacatc tcaaacaat tctgcaaatt cttagtgaag    120
tttaactata gtcacaganc ttaaatattc acattgtttt ctatgtctac tgaaaataag    180
ttcactactt ttctgggata ttcttacaa aatcttatta aaattcctgg tattatcacc    240
cccaattata cagtagcaca accaccttat gtagttttta catgatagct ctgtagaggt    300
t                                                                    301
```

        <210> 295
        <211> 305
        <212> DNA
        <213> Homo sapien

        <400> 295
```
gtactctttc tctcccctcc tctgaatttta attctttcaa cttgcaattt gcaaggatta     60
cacatttcac tgtgatgtat attgtgttgc aaaaaaaaaa gtgtctttgt ttaaaattac    120
ttggtttgtg aatccatctt gcttttttccc cattggaact agtcattaac ccatctctga    180
actggtagaa aaacrtctga agagctagtc tatcagcatc tgacaggtga attggatggt    240
tctcagaacc atttcacccca gacagcctgt ttctatcctg tttaataaat tagtttgggt    300
tctct                                                                305
```

        <210> 296
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 296
```
aggtactatg ggaagctgct aaaataatat ttgatagtaa aagtatgtaa tgtgctatct     60
```

```
cacctagtag taaactaaaa ataaactgaa actttatgga atctgaagtt attttccttg      120
attaaataga attaataaac caatatgagg aaacatgaaa ccatgcaatc tactatcaac      180
tttgaaaaag tgattgaacg aaccacttag ctttcagatg atgaacactg ataagtcatt      240
tgtcattact ataaatttta aaatctgtta ataagatggc ctataggag gaaaaagggg      300
c                                                                        301
```

        <210> 297
        <211> 300
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(300)
        <223> n = A,T,C or G

        <400> 297
```
actgagtttt aactggacgc caagcaggca aggctggaag gttttgctct ctttgtgcta       60
aaggttttga aaaccttgaa ggagaatcat tttgacaaga agtacttaag agtctagaga      120
acaaagangt gaaccagctg aaagctctcg ggggaanctt acatgtgttg ttaggcctgt      180
tccatcattg ggagtgcact ggccatccct caaaatttgt ctgggctggc ctgagtggtc      240
accgcacctc ggccgcgacc acgctaagcc gaattctgca gatatccatc acactggcgg      300
```

        <210> 298
        <211> 301
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(301)
        <223> n = A,T,C or G

        <400> 298
```
tatggggttt gtcacccaaa agctgatgct gagaaaggcc tccctggggc ccctcccgcg       60
ggcatctgag agacctggtg ttccagtgtt tctggaaatg ggtcccagtg ccgccggctg      120
tgaagctctc agatcaatca cgggaagggc ctggcggtgg tggccacctg gaaccaccct      180
gtcctgtctg tttacatttc actaycaggt tttctctggg cattacnatt tgttccccta      240
caacagtgac ctgtgcattc tgctgtggcc tgctgtgtct gcaggtggct ctcagcgagg      300
t                                                                        301
```

        <210> 299
        <211> 301
        <212> DNA
        <213> Homo sapien

        <400> 299
```
gttttgagac ggagtttcac tcttgttgcc cagactggac tgcaatggca gggtctctgc       60
tcactgcacc ctctgcctcc caggttcgag caattctcct gcctcagcct cccaggtagc      120
tgggattgca ggctcacgcc accataccca gctaattttt ttgtattttt agtagagacg      180
gagtttcgcc atgttggcca gctggtctca aactcctgac ctcaagcgac ctgcctgcct      240
cggcctccca aagtgctgga attataggca tgagtcaaca cgcccagcct aaagatattt      300
t                                                                        301
```

        <210> 300

<211> 301
<212> DNA
<213> Homo sapien

<400> 300

```
attcagtttt atttgctgcc ccagtatctg taaccaggag tgccacaaaa tcttgccaga    60
tatgtcccac acccactggg aaaggctccc acctggctac ttcctctatc agctgggtca   120
gctgcattcc acaaggttct cagcctaatg agtttcacta cctgccagtc tcaaaactta   180
gtaaagcaag accatgacat tcccccacgg aaatcagagt ttgccccacc gtcttgttac   240
tataaagcct gcctctaaca gtccttgctt cttcacacca atcccgagcg catcccccat   300
g                                                                  301
```

<210> 301
<211> 301
<212> DNA
<213> Homo sapien

<400> 301

```
ttaaattttt gagaggataa aaaggacaaa taatctagaa atgtgtcttc ttcagtctgc    60
agaggacccc aggtctccaa gcaaccacat ggtcaagggc atgaataatt aaaagttggt   120
gggaactcac aaagaccctc agagctgaga cacccacaac agtgggagct cacaaagacc   180
ctcagagctg agacacccac aacagtggga gctcacaaag accctcagag ctgagacacc   240
cacaacagca cctcgttcag ctgccacatg tgtgaataag gatgcaatgt ccagaagtgt   300
t                                                                  301
```

<210> 302
<211> 301
<212> DNA
<213> Homo sapien

<400> 302

```
aggtacacat ttagcttgtg gtaaatgact cacaaaactg attttaaaat caagttaatg    60
tgaattttga aaattactac ttaatcctaa ttcacaataa caatggcatt aaggtttgac   120
ttgagttggt tcttagtatt atttatggta aataggctct taccacttgc aaataactgg   180
ccacatcatt aatgactgac ttcccagtaa ggctctctaa ggggtaagta ggaggatcca   240
caggatttga gatgctaagg ccccagagat cgtttgatcc aaccctctta ttttcagagg   300
g                                                                  301
```

<210> 303
<211> 301
<212> DNA
<213> Homo sapien

<400> 303

```
aggtaccaac tgtggaaata ggtagaggat catttttct ttccatatca actaagttgt     60
atattgtttt ttgacagttt aacacatctt cttctgtcag agattctttc acaatagcac   120
tggctaatgg aactaccgct tgcatgttaa aaatggtggt ttgtgaaatg atcataggcc   180
agtaacgggt atgtttttct aactgatctt ttgctcgttc caaagggacc tcaagacttc   240
catcgatttt atatctgggg tctagaaaag gagttaatct gttttccctc ataaattcac   300
c                                                                  301
```

<210> 304
<211> 301
<212> DNA
<213> Homo sapien

<400> 304
```
acatggatgt tattttgcag actgtcaacc tgaatttgta tttgcttgac attgcctaat        60
tattagtttc agtttcagct tacccacttt ttgtctgcaa catgcaraas agacagtgcc       120
ctttttagtg tatcatatca ggaatcatct cacattggtt tgtgccatta ctggtgcagt       180
gactttcagc cacttgggta aggtggagtt ggccatatgt ctccactgca aaattactga       240
ttttcctttt gtaattaata agtgtgtgtg tgaagattct ttgagatgag gtatatatct       300
c                                                                        301
```

<210> 305
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 305
```
gangtacagc gtggtcaagg taacaagaag aaaaaaatgt gagtggcatc ctgggatgag        60
caggggggaca gacctggaca gacacgttgt catttgctgc tgtgggtagg aaaatgggcg       120
taaaggagga gaaacagata caaaatctcc aactcagtat taaggtattc tcatgcctag       180
aatattggta gaaacaagaa tacattcata tggcaaataa ctaaccatgg tggaacaaaa       240
ttctgggatt taagttggat accaangaaa ttgtattaaa agagctgttc atggaataag       300
a                                                                        301
```

<210> 306
<211> 8
<212> PRT
<213> Homo sapien

<400> 306
```
Val Leu Gly Trp Val Ala Glu Leu
1               5
```

<210> 307
<211> 637
<212> DNA
<213> Homo sapien

<400> 307
```
acagggratg aagggaaagg gagaggatga ggaagccccc ctggggattt ggtttggtcc        60
ttgtgatcag gtggtctatg gggcttatcc ctacaaagaa gaatccagaa ataggggcac       120
attgaggaat gatacttgag cccaaagagc attcaatcat tgtttttattt gccttmtttt      180
cacaccattg gtgagggagg gattaccacc ctggggttat gaagatggtt gaacacccca       240
cacatagcac cggagatatg agatcaacag tttcttagcc atagagattc acagcccaga       300
gcaggaggac gcttgcacac catgcaggat gacatggggg atgcgctcgg gattggtgtg       360
aagaagcaag gactgttaga ggcaggcttt atagtaacaa gacggtgggg caaactctga       420
tttccgtggg ggaatgtcat ggtcttgctt tactaagttt tgagactggc aggtagtgaa       480
actcattagg ctgagaacct tgtggaatgc acttgaccca sctgatagag gaagtagcca       540
ggtgggagcc tttcccagtg ggtgtgggac atatctggca agattttgtg gcactcctgg       600
ttacagatac tggggcagca aataaaactg aatcttg                                637
```

<210> 308

<211> 647
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 308
acgattttca ttatcatgta aatcgggtca ctcaaggggc caaccacagc tgggagccac   60
tgctcagggg aaggttcata tgggactttc tactgcccaa ggttctatac aggatataaa   120
ggngcctcac agtatagatc tggtagcaaa gaagaagaaa caaacactga tctctttctg   180
ccacccctct gaccctttgg aactcctctg accctttaga acaagcctac ctaatatctg   240
ctagagaaaa gaccaacaac ggcctcaaag gatctcttac catgaaggtc tcagctaatt   300
cttggctaag atgtgggttc cacattaggt tctgaatatg ggggaaggg tcaatttgct   360
cattttgtgt gtggataaag tcaggatgcc caggggccag agcagggggc tgcttgcttt   420
gggaacaatg gctgagcata taaccatagg ttatggggaa caaaacaaca tcaaagtcac   480
tgtatcaatt gccatgaaga cttgagggac ctgaatctac cgattcatct taaggcagca   540
ggaccagttt gagtggcaac aatgcagcag cagaatcaat ggaaacaaca gaatgattgc   600
aatgtccttt tttttctcct gcttctgact tgataaaagg ggaccgt   647

<210> 309
<211> 460
<212> DNA
<213> Homo sapien

<400> 309
actttatagt ttaggctgga cattggaaaa aaaaaaaagc cagaacaaca tgtgatagat   60
aatatgattg gctgcacact tccagactga tgaatgatga acgtgatgga ctattgtatg   120
gagcacatct tcagcaagag ggggaaatac tcatcatttt tggccagcag ttgtttgatc   180
accaaacatc atgccagaat actcagcaaa ccttcttagc tcttgagaag tcaaagtccg   240
ggggaattta ttcctggcaa ttttaattgg actccttatg tgagagcagc ggctacccag   300
ctggggtggt ggagcgaacc cgtcactagt ggacatgcag tggcagagct cctggtaacc   360
acctagagga atacacaggc acatgtgtga tgccaagcgt gacacctgta gcactcaaat   420
ttgtcttgtt tttgtctttc ggtgtgtaag attcttaagt   460

<210> 310
<211> 539
<212> DNA
<213> Homo sapien

<400> 310
acgggactta tcaaataaag ataggaaaag aagaaaactc aaatattata ggcagaaatg   60
ctaaaggttt taaaatatgt caggattgga agaaggcatg gataaagaac aaagttcagt   120
taggaaagag aaacacagaa ggaagagaca caataaaagt cattatgtat tctgtgagaa   180
gtcagacagt aagatttgtg ggaaatgggt tggtttgttg tatggtatgt attttagcaa   240
taatctttat ggcagagaaa gctaaaatcc tttagcttgc gtgaatgatc acttgctgaa   300
ttcctcaagg taggcatgat gaaggagggt ttagaggaga cacagacaca atgaactgac   360
ctagatagaa agccttagta tactcagcta ggaatagtga ttctgagggc acactgtgac   420
atgattatgt cattacatgt atggtagtga tggggatgat aggaaggaag aacttatggc   480
atattttcac ccccacaaaa gtcagttaaa tattgggaca ctaaccatcc aggtcaaga   539

<210> 311
<211> 526

```
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

<400> 311
caaatttgag ccaatgacat agaattttac aaatcaagaa gcttattctg gggccatttc        60
ttttgacgtt ttctctaaac tactaaagag gcattaatga tccataaatt atattatcta       120
catttacagc atttaaaatg tgttcagcat gaaatattag ctacagggga agctaaataa       180
attaaacatg gaataaagat ttgtccttaa atataatcta caagaagact ttgatatttg       240
tttttcacaa gtgaagcatt cttataaagt gtcataacct ttttggggaa actatgggaa       300
aaaatgggga aactctgaag ggttttaagt atcttacctg aagctacaga ctccataacc       360
tctctttaca gggagctcct gcagccccta cagaaatgag tggctgagat tcttgattgc       420
acagcaagag cttctcatct aaaccctttc cctttttagt atctgtgtat caagtataaa       480
agttctataa actgtagtnt acttatttta atccccaaag cacagt                      526


<210> 312
<211> 500
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 312
cctctctctc cccacccct gactctagag aactgggttt tctcccagta ctccagcaat         60
tcatttctga aagcagttga gccactttat tccaaagtac actgcagatg ttcaaactct        120
ccatttctct ttcccttcca cctgccagtt ttgctgactc tcaacttgtc atgagtgtaa        180
gcattaagga cattatgctt cttcgattct gaagacaggc cctgctcatg gatgactctg        240
gcttcttagg aaaatatttt tcttccaaaa tcagtaggaa atctaaactt atccctctt         300
tgcagatgtc tagcagcttc agacatttgg ttaagaaccc atgggaaaaa aaaaaatcct        360
tgctaatgtg gtttcctttg taaaccanga ttcttatttg nctggtatag aatatcagct        420
ctgaacgtgt ggtaaagatt tttgtgtttg aatataggag aaatcagttt gctgaaaagt        480
tagtcttaat tatctattgg                                                    500


<210> 313
<211> 718
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

<400> 313
ggagatttgt gtggtttgca gccgagggag accaggaaga tctgcatggt gggaaggacc         60
tgatgataca gaggtgagaa ataagaaagg ctgctgactt taccatctga ggccacacat        120
ctgctgaaat ggagataatt aacatcacta gaaacagcaa gatgacaata taatgtctaa        180
gtagtgacat gtttttgcac atttccagcc cttttaaata tccacacaca caggaagcac        240
```

```
aaaaggaagc acagagatcc ctgggagaaa tgcccggccg ccatcttggg tcatcgatga    300
gcctcgccct gtgcctgntc ccgcttgtga gggaaggaca ttagaaaatg aattgatgtg    360
ttccttaaag gatggcagga aaacagatcc tgttgtggat atttatttga acgggattac    420
agatttgaaa tgaagtcaca aagtgagcat taccaatgag aggaaaacag acgagaaaat    480
cttgatggtt cacaagacat gcaacaaaca aaatggaata ctgtgatgac acgagcagcc    540
aactggggag gagataccac ggggcagagg tcaggattct ggccctgctg cctaactgtg    600
cgttatacca atcatttcta tttctaccct caaacaagct gtngaatatc tgacttacgg    660
ttcttntggc ccacattttc atnatccacc ccntcntttt aannttantc caaantgt     718
```

        <210> 314
        <211> 358
        <212> DNA
        <213> Homo sapien

        <400> 314
```
gtttatttac attacagaaa aaacatcaag acaatgtata ctatttcaaa tatatccata      60
cataatcaaa tatagctgta gtacatgttt tcattggtgt agattaccac aaatgcaagg     120
caacatgtgt agatctcttg tcttattctt ttgtctataa tactgtattg tgtagtccaa     180
gctctcggta gtccagccac tgtgaaacat gctcccttta gattaacctc gtggacgctc     240
ttgttgtatt gctgaactgt agtgccctgt attttgcttc tgtctgtgaa ttctgttgct     300
tctggggcat ttccttgtga tgcagaggac caccacacag atgacagcaa tctgaatt      358
```

        <210> 315
        <211> 341
        <212> DNA
        <213> Homo sapien

        <400> 315
```
taccacctcc ccgctggcac tgatgagccg catcaccatg gtcaccagca ccatgaaggc      60
ataggtgatg atgaggacat ggaatgggcc cccaaggatg gtctgtccaa agaagcgagt     120
gaccccatt ctgaagatgt ctggaacctc taccagcagg atgatgatag ccccaatgac      180
agtcaccagc tcccgacca gccggatatc gtccttaggg gtcatgtagg cttcctgaag      240
tagcttctgc tgtaagaggg tgttgtcccg ggggctcgtg cggttattgg tcctgggctt     300
gaggggcgg tagatgcagc acatggtgaa gcagatgatg t                         341
```

        <210> 316
        <211> 151
        <212> DNA
        <213> Homo sapien

        <400> 316
```
agactgggca agactcttac gccccacact gcaatttggt cttgttgccg tatccatttta      60
tgtgggcctt tctcgagttt ctgattataa acaccactgg agcgatgtgt tgactggact     120
cattcaggga gctctggttg caatattagt t                                   151
```

        <210> 317
        <211> 151
        <212> DNA
        <213> Homo sapien

        <400> 317
```
agaactagtg gatcctaatg aaatacctga aacatatatt ggcatttatc aatggctcaa      60
atcttcattt atctctggcc ttaacccctgg ctcctgaggc tgcggccagc agatcccagg     120
ccagggctct gttcttgcca cacctgcttg a                                   151
```

```
<210> 318
<211> 151
<212> DNA
<213> Homo sapien

<400> 318
actggtggga ggcgctgttt agttggctgt tttcagaggg gtctttcgga gggacctcct        60
gctgcaggct ggagtgtctt tattcctggc gggagaccgc acattccact gctgaggctg       120
tgggggcggt ttatcaggca gtgataaaca t                                     151


<210> 319
<211> 151
<212> DNA
<213> Homo sapien

<400> 319
aactagtgga tccagagcta taggtacagt gtgatctcag ctttgcaaac acattttcta        60
catagatagt actaggtatt aatagatatg taaagaaaga aatcacacca ttaataatgg       120
taagattggg tttatgtgat tttagtgggt a                                     151


<210> 320
<211> 150
<212> DNA
<213> Homo sapien

<400> 320
aactagtgga tccactagtc cagtgtggtg gaattccatt gtgttggggt tctagatcgc        60
gagcggctgc cctttttttt tttttttttg ggggggaatt tttttttttt aatagttatt       120
gagtgttcta cagcttacag taaataccat                                       150


<210> 321
<211> 151
<212> DNA
<213> Homo sapien

<400> 321
agcaactttg tttttcatcc aggttatttt aggcttagga tttcctctca cactgcagtt        60
tagggtggca ttgtaaccag ctatggcata ggtgttaacc aaaggctgag taaacatggg       120
tgcctctgag aaatcaaagt cttcatacac t                                     151


<210> 322
<211> 151
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(151)
<223> n = A,T,C or G

<400> 322
atccagcatc ttctcctgtt tcttgccttc ctttttcttc ttcttasatt ctgcttgagg        60
tttgggcttg gtcagtttgc cacagggctt ggagatggtg acagtcttct ggcattcggc       120
attgtgcagg gctcgcttca nacttccagt t                                     151
```

```
<210> 323
<211> 151
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(151)
<223> n = A,T,C or G

<400> 323
tgaggacttg tkttcttttt ctttattttt aatcctctta ckttgtaaat atattgccta        60
nagactcant tactacccag tttgtggttt twtgggagaa atgtaactgg acagttagct       120
gttcaatyaa aaagacactt ancccatgtg g                                      151


<210> 324
<211> 461
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 324
acctgtgtgg aatttcagct ttcctcatgc aaaaggattt tgtatccccg gcctacttga        60
agaagtggtc agctaaagga atccaggttg ttggttggac tgttaatacc tttgatgaaa       120
agagttacta cgaatcccat cttggttcca gctatatcac tgacagcatg gtagaagact       180
gcgaacctca cttctagact ttcacggtgg gacgaaacgg gttcagaaac tgccaggggc       240
ctcatacagg gatatcaaaa taccctttgt gctacccagg ccctggggaa tcaggtgact       300
cacacaaatg caatagttgg tcactgcatt tttaccctgaa ccaaagctaa acccggtgtt       360
gccaccatgc accatggcat gccagagttc aacactgttg ctcttgaaaa ttgggtctga       420
aaaaacgcac aagagcccct gccctgccct agctgangca c                          461


<210> 325
<211> 400
<212> DNA
<213> Homo sapien

<400> 325
acactgtttc catgttatgt ttctacacat tgctacctca gtgctcctgg aaacttagct        60
tttgatgtct ccaagtagtc caccttcatt taactctttg aaactgtatc atctttgcca       120
agtaagagtg gtggcctatt tcagctgctt tgacaaaatg actggctcct gacttaacgt       180
tctataaatg aatgtgctga agcaaagtgc ccatggtggc ggcgaagaag agaaagatgt       240
gttttgtttt ggactctctg tggtcccttc caatgctgtg ggtttccaac caggggaagg       300
gtcccttttg cattgccaag tgccataacc atgagcacta cgctaccatg gttctgcctc       360
ctggccaagc aggctggttt gcaagaatga aatgaatgat                            400


<210> 326
<211> 1215
<212> DNA
<213> Homo sapien

<400> 326
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ggaggactgc agcccgcact cgcagccctg gcaggcggca ctggtcatgg aaaacgaatt      60
gttctgctcg ggcgtcctgg tgcatccgca gtgggtgctg tcagccgcac actgtttcca     120
gaactcctac accatcgggc tgggcctgca cagtcttgag gccgaccaag agccagggag     180
ccagatggtg gaggccagcc tctccgtacg gcacccagag tacaacagac ccttgctcgc     240
taacgacctc atgctcatca gttggacga atccgtgtcc gagtctgaca ccatccggag     300
catcagcatt gcttcgcagt gccctaccgc ggggaactct tgcctcgttt ctggctgggg     360
tctgctggcg aacggcagaa tgcctaccgt gctgcagtgc gtgaacgtgt cggtggtgtc     420
tgaggaggtc tgcagtaagc tctatgaccc gctgtaccac cccagcatgt tctgcgccgg     480
cggagggcaa gaccagaagg actcctgcaa cggtgactct gggggggcccc tgatctgcaa     540
cgggtacttg cagggccttg tgtctttcgg aaaagccccg tgtggccaag ttggcgtgcc     600
aggtgtctac accaacctct gcaaattcac tgagtggata gagaaaccg tccaggccag     660
ttaactctgg ggactgggaa cccatgaaat tgaccccaa atacatcctg cggaaggaat     720
tcaggaatat ctgttcccag cccctcctcc ctcaggccca ggagtccagg cccccagccc     780
ctcctccctc aaaccaaggg tacagatccc cagcccctcc tccctcagac ccaggagtcc     840
agaccccca gcccctcctc cctcagaccc aggagtccag ccctcctcc ctcagaccca     900
ggagtccaga ccccccagcc cctcctccct cagacccagg ggtccaggcc cccaacccct     960
cctccctcag actcagaggt ccaagccccc aacccctcct tccccagacc cagaggtcca    1020
ggtccagcc cctcctccct cagacccagc ggtccaatgc cacctagact ctccctgtac    1080
acagtgcccc cttgtggcac gttgacccaa ccttaccagt tggtttttca tttttttgtcc    1140
ctttcccta gatccagaaa taaagtctaa gagaagcgca aaaaaaaaa aaaaaaaaaa    1200
aaaaaaaaaa aaaaa                                                    1215
```

<210> 327
<211> 220
<212> PRT
<213> Homo sapien

<400> 327
```
Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met
1               5                   10                  15
Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val
                20                  25                  30
Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly
            35                  40                  45
Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu
        50                  55                  60
Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu Ala
65                  70                  75                  80
Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp
                85                  90                  95
Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn
                100                 105                 110
Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met Pro
            115                 120                 125
Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu Val Cys
        130                 135                 140
Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala Gly
145                 150                 155                 160
Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly Pro
                165                 170                 175
Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys Ala
            180                 185                 190
Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu Cys Lys
            195                 200                 205
Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
```

210   215   220

```
<210> 328
<211> 234
<212> DNA
<213> Homo sapien

<400> 328
cgctcgtctc tggtagctgc agccaaatca taaacggcga ggactgcagc ccgcactcgc        60
agccctggca ggcggcactg gtcatggaaa cgaattgtt ctgctcgggc gtcctggtgc        120
atccgcagtg ggtgctgtca gccacacact gtttccagaa ctcctacacc atcgggctgg        180
gcctgcacag tcttgaggcc gaccaagagc cagggagcca gatggtggag gcca             234

<210> 329
<211> 77
<212> PRT
<213> Homo sapien

<400> 329
```

Leu Val Ser Gly Ser Cys Ser Gln Ile Ile Asn Gly Glu Asp Cys Ser
1   5   10   15
Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn Glu Leu
        20   25   30
Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala Thr
        35   40   45
His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser Leu
    50   55   60
Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu Ala
65   70   75

```
<210> 330
<211> 70
<212> DNA
<213> Homo sapien

<400> 330
cccaacacaa tggcccgatc ccatccctga ctccgccctc aggatcgctc gtctctggta        60
gctgcagcca                                                              70

<210> 331
<211> 22
<212> PRT
<213> Homo sapien

<400> 331
```

Gln His Asn Gly Pro Ile Pro Ser Leu Thr Pro Pro Ser Gly Ser Leu
1   5   10   15
Val Ser Gly Ser Cys Ser
        20

```
<210> 332
<211> 2507
<212> DNA
<213> Homo sapien
```

<400> 332

```
tggtgccgct gcagccggca gagatggttg agctcatgtt cccgctgttg ctcctccttc          60
tgcccttcct tctgtatatg gctgcgcccc aaatcaggaa aatgctgtcc agtggggtgt         120
gtacatcaac tgttcagctt cctgggaaag tagttgtggt cacaggagct aatacaggta         180
tcgggaagga gacagccaaa gagctggctc agagaggagc tcgagtatat ttagcttgcc         240
gggatgtgga aaaggggaaa ttggtggcca aagagatcca gaccacgaca gggaaccagc         300
aggtgttggt gcggaaactg gacctgtctg atactaagtc tattcgagct tttgctaagg         360
gcttcttagc tgaggaaaag cacctccacg ttttgatcaa caatgcagga gtgatgatgt         420
gtccgtactc gaagacagca gatggctttg agatgcacat aggagtcaac cacttgggtc         480
acttcctcct aacccatctg ctgctagaga aactaaagga atcagcccca tcaaggatag         540
taaatgtgtc ttccctcgca catcacctgg gaaggatcca cttccataac ctgcagggcg         600
agaaattcta caatgcaggc ctggcctact gtcacagcaa gctagccaac atcctcttca         660
cccaggaact ggcccggaga ctaaaaggct ctggcgttac gacgtattct gtacaccctg         720
gcacagtcca atctgaactg gttcggcact catctttcat gagatggatg tggtggcttt         780
tctccttttt catcaagact cctcagcagg gagcccagac cagcctgcac tgtgccttaa         840
cagaaggtct tgagattcta agtgggaatc atttcagtga ctgtcatgtg gcatgggtct         900
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tgggcctccc aatagactaa caggcagtgc cagttggacc caagagaaga ctgcagcaga        1020
ctacacagta cttcttgtca aaatgattct ccttcaaggt tttcaaaacc tttagcacaa        1080
agagagcaaa accttccagc cttgcctgct tggtgtccag ttaaaactca gtgtactgcc        1140
agattcgtct aaatgtctgt catgtccaga tttactttgc ttctgttact gccagagtta        1200
ctagagatat cataataggá taagaagacc ctcatatgac ctgcacagct cattttcctt        1260
ctgaaagaaa ctactaccta ggagaatcta agctatagca gggatgattt atgcaaattt        1320
gaactagctt ctttgttcac aattcagttc ctcccaacca accagtcttc acttcaagag        1380
ggccacactg caacctcagc ttaacatgaa taacaaagac tggctcagga gcagggcttg        1440
cccaggcatg gtggatcacc ggaggtcagt agttcaagac cagcctggcc aacatggtga        1500
aaccccacct ctactaaaaa ttgtgtatat ctttgtgtgt cttcctgttt atgtgtgcca        1560
agggagtatt ttcacaaagt tcaaaacagc cacaataatc agagatggag caaaccagtg        1620
ccatccagtc tttatgcaaa tgaaatgctg caaagggaag cagattctgt atatgttggt        1680
aactacccac caagagcaca tgggtagcag ggaagaagta aaaaaagaga aggagaatac        1740
tggaagataa tgcacaaaat gaagggacta gttaaggatt aactagccct ttaaggatta        1800
actagttaag gattaatagc aaaagayatt aaatatgcta acatagctat ggaggaattg        1860
agggcaagca cccaggactg atgaggtctt aacaaaaacc agtgtggcaa aaaaaaaaaa        1920
aaaaaaaaaa aaaaatccta aaacaaaca aacaaaaaaa acaattcttc attcagaaaa        1980
attatcttag ggactgatat tggtaattat ggtcaattta ataatatttt ggggcatttc        2040
cttacattgt cttgacaaga ttaaaatgtc tgtgccaaaa ttttgtattt tatttggaga        2100
cttcttatca aaagtaatgc tgccaaagga agtctaagga attagtagtg ttcccatcac        2160
ttgtttggag tgtgctattc taaaagattt tgatttcctg gaatgacaat tatattttaa        2220
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cttttattgc acttgttttg accattaagc tatatgttta gaaatggtca ttttacggaa        2340
aaattagaaa aattctgata atagtgcaga ataaatgaat taatgtttta cttaatttat        2400
attgaactgt caatgacaaa taaaaattct ttttgattat tttttgtttt catttaccag        2460
aataaaaacg taagaattaa aagtttgatt acaaaaaaaa aaaaaaa                      2507
```

<210> 333
<211> 3030
<212> DNA
<213> Homo sapien

<400> 333

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gcaggcgact tgcgagctgg gagcgattta aaacgctttg gattcccccg gcctgggtgg          60
ggagagcgag ctgggtgccc cctagattcc ccgcccccgc acctcatgag ccgaccctcg         120
gctccatgga gcccggcaat tatgccacct ggatggagc caaggatatc gaaggcttgc         180
tgggagcggg aggggggcgg aatctggtcg cccactcccc tctgaccagc cacccagcgg         240
cgcctacgct gatgcctgct gtcaactatg ccccccttgga tctgccaggc tcggcggagc         300
```

```
cgccaaagca atgccaccca tgccctgggg tgccccaggg gacgtcccca gctcccgtgc      360
cttatggtta ctttggaggc gggtactact cctgccgagt gtcccggagc tcgctgaaac      420
cctgtgccca ggcagccacc ctggccgcgt accccgcgga gactcccacg gccggggaag      480
agtaccccag ycgccccact gagtttgcct tctatccggg atatccggga acctaccagc      540
ctatggccag ttacctggac gtgtctgtgg tgcagactct gggtgctcct ggagaaccgc      600
gacatgactc cctgttgcct gtggacagtt accagtcttg ggctctcgct ggtggctgga      660
acagccagat gtgttgccag ggagaacaga acccaccagg tcccttttgg aaggcagcat      720
ttgcagactc cagcgggcag caccctcctg acgcctgcgc ctttcgtcgc ggccgcaaga      780
aacgcattcc gtacagcaag gggcagttgc gggagctgga gcgggagtat gcggctaaca      840
agttcatcac caaggacaag aggcgcaaga tctcggcagc caccagcctc tcggagcgcc      900
agattaccat ctggtttcag aaccgccggg tcaaagagaa gaaggttctc gccaaggtga      960
agaacagcgc taccccttaa gagatctcct tgcctgggtg ggaggagcga aagtgggggt     1020
gtcctgggga gaccaggaac ctgccaagcc caggctgggg ccaaggactc tgctgagagg     1080
cccctagaga caacaccctt cccaggccac tggctgctgg actgttcctc aggagcggcc     1140
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cccaaagaac ctggcccagt cataatcatt catcctgaca gtggcaataa tcacgataac     1260
cagtactagc tgccatgatc gttagcctca tattttctat ctagagctct gtagagcact     1320
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cagggaagct ttctctcaga ccccttcca ttacacctct caccctggta acagcaggaa      1440
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tctcagctga cagctgggta ggtggacaat tgtagaggct gtctcttcct ccctccttgt     1560
ccaccccata gggtgtaccc actggtcttg gaagcaccca tccttaatac gatgattttt     1620
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agagatttga gaaagtgcct gggtaattca ccattaattt cctcccccaa actctctgag     1740
tcttcccttа atatttctgg tggttctgac caaagcaggt catggtttgt tgagcatttg     1800
ggatcccagt gaagtagatg tttgtagcct tgcatactta gccccttccca ggcacaaacg     1860
gagtggcaga gtggtgccaa ccctgttttc ccagtccacg tagacagatt cacagtgcgg     1920
aattctggaa gctggagaca gacgggctct ttgcagagcc gggactctga gagggacatg     1980
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cgccgctcag agcaggtcac tttctgcctt ccacgtcctc cttcaaggaa gccccatgtg     2640
ggtagctttc aatatcgcag gttcttactc ctctgcctct ataagctcaa acccaccaac     2700
gatcgggcaa gtaaacccc tccctcgccg acttcggaac tggcgagagt tcagcgcaga       2760
tgggcctgtg gggaggggc aagatagatg aggggagcg gcatggtgcg gggtgacccc       2820
ttggagagag gaaaaaggcc acaagagggg ctgccaccgc cactaacgga gatggccctg     2880
gtagagacct ttgggggtct ggaacctctg gactccccat gctctaactc ccacactctg     2940
ctatcagaaa cttaaacttg aggatttrct ctgtttttca ctcgcaataa aytcagagca     3000
aacaaaaaaa aaaaaaaaaa aaaactcgag                                      3030


          <210> 334
          <211> 2417
          <212> DNA
          <213> Homo sapien


          <400> 334
ggcggccgct ctagagctag tgggatcccc cgggctgcac gaattcggca cgagtgagtt       60
ggagttttac ctgtattgtt ttaatttcaa caagcctgag gactagccac aaatgtaccc      120
```

```
agtttacaaa tgaggaaaca ggtgcaaaaa ggttgttacc tgtcaaaggt cgtatgtggc    180
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gaatgctgac cattgaggat atctaaactt agatcaattg cattttccct ccaagactat    300
ttacttatca atacaataat accaccttta ccaatctatt gttttgatac gagactcaaa    360
tatgccagat atatgtaaaa gcaacctaca agctctctaa tcatgctcac ctaaaagatt    420
cccgggatct aataggctca aagaaacttc ttctagaaat ataaaagaga aaattggatt    480
atgcaaaaat tcattattaa ttttttttcat ccatccttta attcagcaaa catttatctg    540
ttgttgactt tatgcagtat ggccttttaa ggattggggg acaggtgaag aacggggtgc    600
cagaatgcat cctcctacta atgaggtcag tacacatttg cattttaaaa tgccctgtcc    660
agctgggcat ggtggatcat gcctgtaatc tcaacattgg aaggccaagg caggaggatt    720
gcttcagccc aggagttcaa gaccagcctg ggcaacatag aaagacccca tctctcaatc    780
aatcaatcaa tgccctgtct ttgaaaataa aactctttaa gaaaggttta atgggcaggg    840
tgtggtagct catgcctata atacagcact ttgggaggct gaggcaggag gatcacttta    900
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cagggatctg ctcatcagtg tggggacctc caagtcggcc acctggagg caagccccca   1920
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cctcaccgac ctggtgatgc tggacactgc gatgaatggt aatgtggatg agaatatgat   2040
ggactcccag aaaaggagac ccagctgctc aggtggctgc aaatcattac agccttcatc   2100
ctggggagga actggggggcc tggttctggg tcagagagca gcccagtgag ggtgagagct   2160
acagcctgtc ctgccagctg gatccccagt cccggtcaac cagtaatcaa ggctgagcag   2220
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ggtactgaga caatattgtc ataaattcaa tgcgcccttg tatccctttt tcttttttat   2340
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```

        <210> 335
        <211> 2984
        <212> DNA
        <213> Homo sapien

        <400> 335
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aaaacacttc aggcgcccctt ccaaggcttc cccaaacccc taagcagccg cagaagcgct    120
cccgagctgc cttctcccac actcaggtga tcgagttgga gaggaagttc agccatcaga    180
agtacctgtc ggcccctgaa cgggcccacc tggccaagaa cctcaagctc acggagaccc    240
aagtgaagat atggttccag aacagacgct ataagactaa gcgaaagcag ctctcctcgg    300
agctgggaga cttggagaag cactcctctt tgccggccct gaaagaggag gccttctccc    360
gggcctccct ggtctccgtg tataacagct atccttacta cccatacctg tactgcgtgg    420
gcagctggag cccagctttt tggtaatgcc agctcaggtg acaaccatta tgatcaaaaa    480
ctgccttccc cagggtgtct ctatgaaaag cacaagggc caaggtcagg gagcaagagg    540
```

```
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aatgaaacaa cagagacagt gaaagtttta atacctaagt cattcccca gtgcatactg       660
taggtcattt tttttgcttc tggctacctg tttgaagggg agagagggaa aatcaagtgg       720
tattttccag cactttgtat gattttggat gagctgtaca cccaaggatt ctgttctgca       780
actccatcct cctgtgtcac tgaatatcaa ctctgaaaga gcaaacctaa caggagaaag       840
gacaaccagg atgaggatgt caccaactga attaaactta agtccagaag cctcctgttg       900
gccttggaat atggccaagg ctctctctgt ccctgtaaaa gagaggggca aatagagagt       960
ctccaagaga acgccctcat gctcagcaca tatttgcatg ggaggggag atgggtggga       1020
ggagatgaaa atatcagctt ttcttattcc tttttattcc ttttaaaatg gtatgccaac      1080
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<211> 147
<212> PRT
<213> Homo sapien

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            20                  25                  30
Pro Lys Gln Pro Gln Lys Arg Ser Arg Ala Ala Phe Ser His Thr Gln
        35                  40                  45
Val Ile Glu Leu Glu Arg Lys Phe Ser His Gln Lys Tyr Leu Ser Ala
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        50                      55                      60
Pro Glu Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln
65                      70                      75                      80
Val Lys Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln
                85                      90                      95
Leu Ser Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala
                100                     105                     110
Leu Lys Glu Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn
        115                     120                     125
Ser Tyr Pro Tyr Tyr Pro Tyr Leu Tyr Cys Val Gly Ser Trp Ser Pro
        130                     135                     140
Ala Phe Trp
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        <212> PRT
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        <400> 338
Leu Leu Ala Asn Asp Leu Met Leu Ile
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